

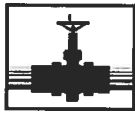
1R-455

Plains

Vacuum to Jal 14"

Mainline #3

Annual Report
2013



PLAINS ALL AMERICAN

March 19, 2014

Mr. Jim Griswold
New Mexico Oil Conservation Division
Environmental Bureau
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Plains All American – 2013 Annual Monitoring Reports
4 Sites in Lea County, New Mexico

Dear Mr. Griswold:

Plains All American is an operator of crude oil pipelines and terminal facilities in the state of New Mexico. Plains All American actively monitors certain historical release sites exhibiting groundwater impacts, consistent with assessments and work plans developed in consultation with the New Mexico Oil Conservation Division (NMOCD). In accordance with the rules and regulations of the NMOCD, Plains All American hereby submits our Annual Monitoring reports for the following sites:

<u>Vacuum to Jal 14" Mainline #3</u>	<u>1R-455</u>	<u>Section 35, T21S, R37E, Lea County</u>
<u>Vacuum to Jal 14" Mainline #5</u>	<u>1R-0464</u>	<u>Section 2, T22S, R37E, Lea County</u>
<u>DS Hugh</u>	<u>1R-0463</u>	<u>Section 26, T21S, R37E, Lea County</u>
<u>Hugh Gathering</u>	<u>AP-0041</u>	<u>Section 11, T21S, R37E, Lea County</u>

EnTech Consulting Corporation (EnTech) prepared these documents and has vouched for their accuracy and completeness, and on behalf of Plains All American, I have personally reviewed the documents and interviewed EnTech personnel in order to verify the accuracy and completeness of these documents. It is based upon these inquiries and reviews that Plains All American submits the enclosed Annual Monitoring Reports for the above facilities.

If you have any questions or require further information, please contact me at (575) 441-1099.

Sincerely,

Camille Bryant
Remediation Coordinator
Plains All American

CC: Geoff Leking, NMOCD, Hobbs, NM

Enclosures

**2013 SOIL INVESTIGATION and
ANNUAL GROUNDWATER
MONITORING REPORT
Vacuum to Jal 14" Mainline #3
Lea County, New Mexico
UL-A, Section 35, T21S, R37E
NMOCD No.: 1R-455
Plains SRS No.: 2003-00117**

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1.0 INTRODUCTION AND OBJECTIVES

1.1 Objectives and Site Information

On May 8, 2003, a 14-inch steel pipeline at the EOTT Energy LLC (EOTT) Vacuum to Jal 14" Mainline # 3 Site (Vac to Jal #3, Site), SRS No. 2003-00117, released approximately three barrels of crude oil into the subsurface. The pipeline is currently owned by Plains Pipeline, L.P. (Plains). The site is located in unit letter A, NE¼ of the NE¼, Section 35, Township 21S, Range 37E, or more specifically at latitude 32°26'32.67" N and longitude 103°07'36.885" W in Lea County, New Mexico (**Figure 1**). The release was apparently caused by internal corrosion and the pipeline was repaired and a New Mexico Oil Conservation Division (NMOCD) Release Notification Form C-141 was submitted.

This report presents the data collected at the site during weekly groundwater gauging, phase separated hydrocarbon (PSH) recovery, four quarterly sampling events conducted during 2013, and installation of one delineation well and three product recovery wells conducted in November 2013. The objective of the on-going quarterly groundwater sampling activities at the site is to monitor the concentration of chemicals of concern (COCs) in the affected groundwater. Weekly PSH recovery activities are conducted to remove residual crude oil from groundwater.

1.2 Previous Remedial Responses and Environmental Investigations

The previous environmental consultant for the site was EarthCon Consultants, Inc (EarthCon); as of July 1, 2012 EnTech Consulting Corporation (EnTech) was retained by Plains for consulting services for the site. Even though the environmental consultant for the site has changed, the same personnel were retained to complete work for the site.

The release was below the reportable quantity and was not initially reported to the NMOCD. The release was first investigated by Environmental Plus, Inc. (EPI) on May 23, 2003. Information was then reported to the NMOCD through the Release Notification Form C-141. The irregularly-shaped, spill-impacted area was approximately 566 square feet, according to Mr. Pat McCasland with Environmental Plus, Inc. (EPI). As part of the initial remediation activities, affected soil was removed and stockpiled on site in June 2003. A total of 676 cubic yards of stockpiled soil was then transported to the Lea Station Land Farm for treatment, as reported on the NMOCD Form C-138 in April 2004 by EPI.

EarthCon Consultants, Inc. (EarthCon; formerly Premier Environmental Services, Inc.) continued to investigate the hydrocarbon impact on soil and groundwater. The results of

the 2005 soil and groundwater investigations are detailed in a March 2006 Site Investigation and Annual Report, which was submitted to the NMOCD on behalf of Plains. During 2006, the affected area was further assessed and groundwater monitoring continued on a quarterly basis.

In May 2006, a Soil Remediation Plan was submitted to the NMOCD to address soil impacts at the site. Objectives of this risk-based Soil Remediation Plan were to isolate and control chemicals of concern (COCs) in the soil and to prevent further impact to groundwater. The Soil Remediation Plan was approved by the NMOCD in a correspondence dated June 1, 2006 to Plains.

In October 2006, excavation of impacted soil was completed in accordance with the *Soil Remediation Plan* to satisfy soil remediation goals and meet regulatory requirements. The excavation footprint and monitor well locations are shown on **Figure 2**. Details of soil remediation activities can be found in the *December 2006 Soil Closure Report* prepared by EarthCon and submitted to the NMOCD.

Groundwater activities at the site continued in 2010 with the installation of two recovery wells and one additional monitoring well. Quarterly groundwater sampling has continued at the site along with weekly phase separated hydrocarbon (PSH) recovery.

This report summarized the activities conducted in 2013 for groundwater sampling, monitor and recovery well installation, soil and groundwater analysis and PSH recovery activities.

1.3 Regulatory Framework

Based on standards outlined in New Mexico Administrative Code (NMAC), Title 20, Chapter 6, Part 2, the remediation criteria for groundwater at the site are as follows:

Chemical of Concern	Limit (mg/L)
Benzene	0.01
Toluene	0.75
Ethylbenzene	0.75
Total Xylenes	0.62
Polynuclear Aromatic Hydrocarbons (PAH) ^(1,2)	0.03
Benzo-a-pyrene ⁽²⁾	0.0007

1 – PAHs: Total naphthalenes plus monomethylnaphthalenes

2 – PAH remediation standards will be used as target concentrations only upon PSH removal.

In addition to using the above values as the target cleanup goals for COC concentrations in groundwater at the site, PSH removal is also an integral part of ongoing remediation activities.

1.4 Limitations

EnTech has examined and relied upon the file information provided by Plains and their contractors, and conversations with Plains personnel and their contractors familiar with the site in question. EnTech has not conducted an independent examination of the information contained in external project files or that provided by Plains or their contract personnel. Furthermore, we assume the genuineness of the documents reviewed and that the information provided in these documents and during the interviews of Plains and contract personnel are true and accurate. EnTech has prepared this report using the level of care and professionalism in the industry for similar projects under similar conditions. EnTech will not be responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed at the time this report was prepared. EnTech believes the conclusions stated herein are factual, but no guarantee is made or implied.

2.0 SOIL INVESTIGATION ACTIVITIES

The following section presents the details of field activities completed in November 2013, during the installation of delineation well MW-9 and three product recovery wells at the Vac to Jal #3 Site. The purpose of this most recent supplemental investigation was to delineate groundwater down-gradient of RW-4 and RW-5 and installation of three recovery wells for enhanced product recovery.

2.1 Soil Investigation

Four soil borings were advanced on November 6th and 7th, 2013 using a continuous air rotary drilling rig operated by Straub Corporation of Stanton, Texas. All drilling rig and sampling equipment was decontaminated prior to the start of the investigation and before leaving the site. Soil samples were examined in the field immediately following retrieval from the cuttings. The soil cuttings were logged by a licensed Professional Geologist from EnTech and described according to the Unified Soil Classification System criteria.

Each soil sample was split into two portions. One portion was immediately placed in a clean disposable plastic bag, labeled, and placed in a cooler to cool to 4 degrees centigrade (°C). The other portion was placed in a disposable zip lock type plastic bag, the bag was sealed, and the sample was allowed to volatilize for approximately 15 minutes prior to conducting a headspace screening analysis using an organic vapor monitor (OVM) with a photoionization detector (PID).

Soil exhibiting evidence of hydrocarbon impact (staining, odor or OVM readings) was noted and samples were collected from selected intervals exhibiting the greatest degree of impact based on field observations for screening purposes only. Samples selected were then placed in a clean laboratory-supplied glass container, labeled, and left in the cooler to continue cooling. At least one sample was collected from each soil boring. If possible, one sample was collected from the following interval of each new boring location:

1. Soil interval with the highest organic vapor measurement (greater than background) or highest indication of COC presence.
2. Soil-groundwater interface.

A total of 9 soil samples were collected and shipped to ESC Lab Sciences of Mt. Juliet, Tennessee for analysis. The samples were analyzed for BTEX by EPA Method 8021. Results of these laboratory analyses are presented in Table 7. Table 7 also provides a

comparison of these results against the applicable New Mexico Environmental Department (NMED) regulatory limits.

After advancing the boring to total depth and collection of soil samples was completed, the soil borings were completed into one monitor well three and recovery wells. Boring logs and well construction details are provided in Appendix B.

2.2 General Geology and Boring Observations

The boring logs and well construction drawings for the delineation monitor well and product recovery wells installed during this investigation are provided in Appendix B. The following paragraphs provide a general discussion of the subsurface geology observed during the installation of the three monitor wells.

As mentioned in Section 2.1, all well borings were logged on the basis of cuttings-inspections, the reaction of the rig to changes in strata, and the driller's experience. The soil cuttings were examined by EnTech personnel and described according the Unified Soil Classification System criteria. The soil cuttings were also examined for the presence of hydrocarbons, visually and by smell. As the scope of this effort was to install groundwater monitoring wells, the primary purpose of the examination of soils from the well borings was to gain a better understanding of the subsurface geology of the site, to ensure that the uppermost groundwater-bearing zone was accurately described, and to ensure that monitoring wells were constructed in a manner consistent with the soil characteristics of the water-bearing zone and overlying strata.

Based upon the soil cuttings, the lithology at the site generally consists of brown, silty, fine sand with traces of caliche at the surface down to a depth of 15 feet, and layers of silty sand, sandstone, silty sandstone, and sandy clay from 15 feet to approximately 60 feet bgs. During the installation of recovery wells IW-1 through IW-3, backfill was drilled through as these were in the area of the historical excavation. Depth of observed backfill ranged from 10 to 15 feet bgs. The water bearing unit appearing at approximately 50 feet bgs consists of silty fine sand/sandstone.

2.2.1 Soil Investigation Details

Analytical results for soil samples collected from the boring location installed in November 2013 are summarized in **Table 7**. Laboratory analytical results reported from the soil samples collected during the November 2013 investigation are presented on a site map in **Figure 11**.

Soil Sample Locations and Results

Soil samples were collected from the soil borings and submitted for laboratory analysis. All soil samples were analyzed for BTEX. A brief discussion of the rationale and laboratory analytical results for each soil sample collected is given below:

Soil Boring MW-9

This monitor well location was selected as a potential delineation well downgradient of the former excavation area. A clay layer was encountered at approximately 49 feet bgs while drilling. Due to this clay layer, water was injected into the soil boring to remove soil cutting from the boring. Due to the injection of water, additional sampling of soil below was limited to identification only. The following provides a brief description of the samples collected from this soil boring:

- **Sample MW-9 (35-40 feet bgs)** – This soil sample was collected from the dark brown, silty sand/sandstone exhibiting a PID reading of 8.6 ppm. Benzene, toluene, ethylbenzene and total xylenes not detected above method detection limits (MDLs).
- **Sample MW-9 (40-45-55 feet bgs)** – This soil sample was collected from light brown silty sand with red clay seams exhibiting a PID reading of 7.4 ppm. Benzene, ethylbenzene, toluene, and total xylenes concentrations not detected above MDLs.

Soil Boring IW-1

This monitor well location was selected as a potential product recovery well within the former excavation area. Backfill was identified while drilling at this location to a depth of 10 feet bgs, where a poly liner was observed. A clay layer was encountered at approximately 47 feet bgs while drilling. Due to this clay layer, water was injected into the soil boring to remove soil cutting from the boring. Due to the injection of water, additional sampling of soil below was limited to identification only. The following provides a brief description of the samples collected from this soil boring:

- **Sample IW-1 (10-15 feet bgs)** – This soil sample was collected from the dark brown, silty sand exhibiting a PID reading of 407 ppm. Benzene and toluene were not detected above MDLs. Ethylbenzene and total xylenes were detected at concentrations below the applicable regulatory standards.

- **Sample IW-1 (15-20 feet bgs)** – This soil sample was collected from light brown silty sand exhibiting a PID reading of 1,806 ppm. Benzene, toluene, ethylbenzene and total xylenes were detected and total BTEX was 65.33 mg/kg, which is above the NMOCD standard. This location is located adjacent to the historic pipeline release and within the former excavation. This soil sample was collected for screening purposes only; a Soil Closure Report was submitted to the NMOCD in December 2006 for excavation conducted at the site.
- **Sample IW-1 (30-35 feet bgs)** – This soil sample was collected from light brown silty sand with red clay seams exhibiting a PID reading of 2020 ppm. Benzene, toluene, ethylbenzene and total xylenes were detected but concentrations were below the applicable regulatory standards.

Soil Boring IW-2

This monitor well location was selected as a potential product recovery well within the former excavation area. Backfill was identified while drilling at this location to a depth of 15 feet bgs. A clay layer was encountered at approximately 50 feet bgs while drilling. Due to this clay layer, water was injected into the soil boring to remove soil cutting from the boring. Due to the injection of water, additional sampling of soil below was limited to identification only. The following provides a brief description of the samples collected from this soil boring:

- **Sample IW-2 (10-15 feet bgs)** – This soil sample was collected from the dark brown, silty sand exhibiting a PID reading of 53 ppm. Benzene, ethylbenzene, toluene, and total xylenes concentrations not detected above MDLs.

Soil Boring IW-3

This monitor well location was selected as a potential product recovery well within the former excavation area. Backfill was identified while drilling at this location to a depth of 10 feet bgs. The following provides a brief description of the samples collected from this soil boring:

- **Sample IW-3 (40-45 feet bgs)** – This soil sample was collected from the dark brown, silty clay and sand exhibiting a PID reading of 487 ppm. Concentrations of benzene were detected but concentrations were below MDLs. Toluene, ethylbenzene and total xylenes were detected at concentrations below the applicable regulatory standards

- **Sample IW-3 (45-50 feet bgs)** – This soil sample was collected from light brown silty sand exhibiting a PID reading of 1,483 ppm. Concentrations of benzene, toluene, ethylbenzene and total xylenes were detected below the applicable regulatory standards.
- **Sample IW-3 (50-55 feet bgs)** – This soil sample was collected from light brown silty sand with red clay seams exhibiting a PID reading of 103 ppm. Concentrations of benzene were not detected above MDLs. Toluene, ethylbenzene and total xylenes were detected but concentrations were below the applicable regulatory standards.

2.2.2 Evaluation of Soil Data

Nine soil samples were collected from the soil borings for screening purposes. Benzene, ethylbenzene, toluene, and total xylenes concentrations were detected in some locations, but were below NMOCD regulatory standards with the exception of IW-1 (15-20 feet) which had a total BTEX of 65.33 mg/kg. This soil sample was collected for screening purposes only; a Soil Closure Report was submitted to the NMOCD in December 2006 for excavation conducted at the site.

3.0 GROUNDWATER ASSESSMENT AND RESULTS

3.1 Groundwater Sampling Methodology

Activities conducted at the site in 2013 primarily consisted of gauging wells for groundwater levels, determining the presence or absence of PSH, recovery of product using Mobil Dual Phase Extraction (MDPE) and recovering PSH using absorbent socks, hand bailing, and submersible pumps in monitor wells. Groundwater sampling of wells not exhibiting PSH was also completed to evaluate the extent of the dissolved-phase hydrocarbon plume.

Measurements of the depth to groundwater and product thickness in wells with hydrocarbon sheen or PSH were completed during the weekly PSH recovery and groundwater sampling events. Eight groundwater monitor wells (MW-1 through MW-8) and five recovery wells (RW-1 through RW-5) were gauged using an oil/water interface probe. Additional wells installed in November 2013 (MW-9 and IW-1 through IW-3) were gauged and monitor well MW-9 was sampled as part of fourth quarter sampling activities. The well locations are shown on **Figure 2**.

Groundwater level elevations and the presence of PSH, if any, were noted for each well. In cases where no measurable PSH was detected by the interface probe, the downhole sensor of the probe was examined for the presence of PSH upon removal from the well. Five recovery wells RW-1, RW-2, RW-3, RW-4, and RW-5 and one monitor well MW-1 contained a measurable PSH thickness or hydrocarbon sheen during 2013 and were sampled only annually after significant purging. Monitor well MW-3 had PSH and was not sampled during the 3rd and 4th quarters. Starting in the second quarter of 2008, all recovery and monitor wells with PSH or sheen were required to be sampled annually and groundwater samples were analyzed for BTEX and PAHs to meet NMOCD requirements in the second quarter of 2013. Based on the review of the 2010 Annual Groundwater Monitoring Report, the NMOCD requested that any monitor wells which had a COC which exceeded NMOCD standards be sampled for PAHs. To meet this requirement, additional groundwater samples were collected during the second quarter of 2013 from monitor wells MW-3 and MW-8 for PAHs due to historical exceedances during the 2nd quarter of 2012.

Groundwater monitor wells not exhibiting PSH or hydrocarbon sheen were gauged monthly and sampled quarterly. After collecting and recording groundwater level, each well was purged with a clean electric submersible pump or hand bailed using a clean disposable bailer, and then groundwater samples were collected using a new dedicated disposable bailer.

3.2 Groundwater Gauging

Table 1 summarizes groundwater gauging (elevation and PSH thickness) measurements taken before each quarterly groundwater sampling event in 2013. In addition, weekly groundwater elevation and PSH thickness measurements were recorded prior to and after PSH recovery and monthly measurements were taken from wells without PSH. Groundwater elevations and PSH thickness measurements were taken in one monitor well (MW-1) and five recovery wells (RW-1 through RW-5) during PSH recovery efforts. Complete historical groundwater elevation and PSH thickness measurements since September 14, 2005 are presented in **Table 2**. The groundwater elevation calculations are based on the top of PVC well casing elevations, which were last surveyed on March 15, 2005 by EarthCon, the previous consultant and recently updated in December 2013 by EnTech for newly installed wells.

3.3 Groundwater Gradient and Flow Direction

Using the groundwater gauging data summarized in **Table 1**, groundwater gradient maps were prepared and are included as **Figures 3A** through **3D**. The calculated groundwater gradient and estimated groundwater flow direction are based on the gauging data obtained on February 28, June 12, September 10, and December 11, 2013. The hydraulic gradient in 2013 ranged from 0.0043 to 0.0057 feet/feet (ft/ft), based on groundwater elevations measured between monitor wells MW-4 and MW-6. The groundwater flow direction was consistently to the east-southeast.

3.4 Groundwater Analytical Results

Groundwater samples were collected on February 28, June 12, September 10, and December 11 during 2013 from all wells that did not contain PSH (see **Table 3**). The monitor wells were purged by removing a minimum of three to five well volumes of groundwater, or depending on groundwater conditions, bailed dry three times using a disposable bailer and allowed to recover to at least 80% of the initial volume before collecting samples. Groundwater samples were collected and transferred into laboratory-supplied sample containers. The sample containers were placed on ice in a cooler and shipped to ESC Laboratory Sciences, in Mt. Juliet, Tennessee for analysis. Groundwater samples were analyzed for BTEX using EPA Method SW-846 8021B.

Groundwater samples were collected in the second quarter from monitor well MW-1 and recovery wells RW-1 through RW-5 due to the presence of PSH and analyzed for BTEX and PAHs by EPA Method SW 8270. Monitor well MW-3 and MW-8 were also sampled for these parameter based on the request of the NMOCD to analyze samples from wells with regulatory exceedances from the previous year. MW-1, MW-3 and recovery wells RW-1 through RW-5 exceeded the NMOCD criteria for benzene during the second

quarter. The sample from monitor well MW-5 exceeded NMOCD criteria for toluene, ethylbenzene and total xylenes. The sample from Monitor well MW-4 exceeded NMOCD criteria for total xylenes. Analytical results reported for the groundwater samples collected at six wells (MW-2 and MW-4 through MW-8) displayed BTEX constituent concentrations below laboratory MDLs for all four quarters. Monitor well MW-9 was installed and sampled in the 4th quarter and reported BTEX concentrations below MDLs.

PAH samples were collected from MW-1, MW-3, MW-8, RW-1, RW-2, RW-3, RW-4 and RW-5 during the second quarter sampling event. Although PAHs of naphthalene, acenaphthylene, acenaphthene, flourene, phenanthrene, anthracene, fluoranthene, pyrene, benzo(a)-anthracene, chrysene, benzo(b)fluoranthene, benzo(a)pyrene, dibenzofuran, dibenz(a,h)anthracene, benzo(k)fluoranthene, 1-methylnaphthalene, and 2-methylnaphthalene were detected, no exceedances of NMOCD standards were observed.

The 2013 analytical results are presented in **Table 3**, and historical analytical results are presented in **Table 4**. Table **2.1** below summarizes the benzene concentrations in which NMOCD Remediation Criteria exceedances were observed in 2013. Benzene concentrations reported in exceedance of NMOCD standards are marked in **bold**.

Table 3.1				
2013 COC Detected Concentrations (mg/L)				
	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
	Benzene	Benzene	Benzene	Benzene
NMOCD Remediation Criteria (mg/L)	0.01	0.01	0.01	0.01
MW-1	NS	1.7	NS	NS
MW-3	<0.001	0.04	NS	NS
RW-1	NS	0.56	NS	NS
RW-2	NS	0.038	NS	NS
RW-3	NS	1.3	NS	NS
RW-4	NS	2.4	NS	NS
RW-5	NS	3.7	NS	NS

Note: Concentrations in bold indicate exceedances of TRRC Remediation criteria.

NS – Not sampled due to PSH sheen or a visible PSH sheen.

Historical analytical results are presented in **Table 4**. Laboratory analytical reports are provided in **Appendix A**. The groundwater analytical data for each quarterly sampling event are presented in **Figures 4A** through **4D**.

3.5 Groundwater Waste Disposal

Purge water from well sampling at wells MW-1 through MW-9 and recovery wells RW-1 through RW-5 is placed in the 1100-gallon above ground storage tank. These liquids are vacuumed from the tank and transported offsite disposal by Key Energy Services of Hobbs, New Mexico.

4.0 PSH RECOVERY

4.1 PSH Recovery Methodology

In addition to collecting groundwater samples, EnTech performed weekly visits to the site to gauge and periodically recover PSH from seven wells with PSH/sheen (wells MW-1, MW-3, RW-1, RW-2, RW-3, RW-4, and RW-5). Measurements to PSH and water levels were recorded during each site visit (see **Table 2**). PSH recovery activities were completed on a weekly basis using submersible pumps, hand bailer and/or absorbent socks. Routine weekly PSH recovery activities typically consisted of the removal of 10 to 20 gallons of groundwater from three of the above referenced well, with dissolved phase hydrocarbons and approximately 2 gallon of PSH from each well.

Four Mobile Dual Phase Extraction (MDPE) events were conducted at the site during 2013. MDPE is a remediation technique where vacuum is applied to the subsurface through existing monitor and recovery wells. This vacuum simultaneously removes vapors and fluids (groundwater and PSH) from the subsurface.

4.2 PSH Recovery via Pumping and Manual Bailing

During 2013, measurable PSH was observed in monitor well MW-1, MW-3 and recovery wells RW-1 through RW-5. MW-3 showed measurable product thickness only during the 3rd and 4th quarters of 2013. PSH and dissolved phase groundwater recovery data are presented in **Table 6**.

A general decreasing trend in the PSH thickness in monitor well MW-1 was observed starting in early 2008. PSH thickness was observed through most of 2013, with the maximum thickness of PSH reaching 0.93 feet and an average thickness of 0.30 feet.

A general increasing trend in the PSH thickness in monitor well MW-3 was observed starting in 2013. PSH thickness was observed during the 3rd and 4th quarters, with the maximum thickness of PSH reaching 0.64 feet with an average thickness of 0.14 feet.

PSH thicknesses in recovery well RW-1, a generally decreasing trend of PSH thickness was observed in 2013. The maximum thickness in RW-1 during 2013 was observed to be 2.20 feet which occurred during the first quarter of 2013 and an average thickness of 0.58 feet.

The PSH thickness observed in recovery well RW-2 indicated an increase during 2013. A measurable thickness of 0.50 feet was observed during the first quarter of 2013 and an average thickness of 0.11 feet.

The PSH thickness observed in recovery well RW-3 indicated an increase during 2013. A measurable thickness of 2.60 feet was observed during the fourth quarter of 2013 and an average thickness of 1.24 feet.

The PSH thickness observed in recovery well RW-4 indicated an increase during 2013. A measurable thickness of 1.72 feet was observed during the second quarter of 2013 and an average thickness of 0.62 feet.

The PSH thickness observed in recovery well RW-5 indicated an increase during 2013. A measurable thickness of 3.43 feet was observed during the first quarter of 2013 and an average thickness of 1.92 feet.

The increase in PSH thickness in several of the wells is likely due to the MDPE events pulling product toward the well bores.

4.3 PSH Recovery via MDPE

PSH recovery via MDPE was conducted at the site during 2013 by Plains consultant Talon/LPE (Talon). MDPE events were conducted in February, April, July and October 2013 for duration of 12 hours for each event.

MDPE removes multiple phases of hydrocarbons (liquid, dissolved, absorbed and vapor phase) simultaneously by extracting liquids, vapors, and contaminated groundwater from multiple monitor and recovery wells. This is completed with a truck-mounted vacuum and liquid handling system integrated with a mobile hydrocarbon vapor treatment system. High vacuum is applied to multiple wells with down hole apparatuses to control the fluid elevation in each well. Therefore, the vacuum forcefully induces contaminant liquids and vapors to be simultaneously pulled into the extraction wells from the vadose zone, capillary fringe, and the saturated zone. Extracted contaminant liquids are collected in a designated tank at the site. Volatile vapor emissions are treated by the integrated vapor destruction systems. Fluids from the MDPE events were disposed of separately by Talon and stored in separate tanks at the facility.

During the February 2013 MDPE event, 1,500 gallons of total fluids were removed during the event, with 48 gallons of vapor PSH removed and 13 gallons of fluid PSH.

In April 2013, a second MDPE event was conducted at the site. 1,621 gallons of total fluids were removed during the April event, of which 25 gallons were vapor and 96 gallons of PSH.

In July 2013, a third MDPE event was conducted. 1,174 gallons of total fluids were removed during the July event, of which 45 gallons were vapor and 64 gallons of PSH.

In October 2013, a fourth MDPE event was conducted. 1,203 gallons of total fluids were removed during the October event, of which 20 gallons were vapor and 68 gallons of PSH.

4.4 PSH Waste Disposal

Approximately 115 gallons of PSH and 1109 gallons total of affected groundwater were recovered from the wells containing PSH or sheen during 2013 as part of weekly PSH recovery. These liquids, along with liquids generated during MDPE events (241 gallons PSH and 5119 gallons of water) are vacuumed from the tanks and transported offsite disposal by Key Energy Services of Hobbs, New Mexico.

5.0 MONITORED NATURAL ATTENUATION

5.1 Regulatory Framework for Monitored Natural Attenuation

Monitored Natural Attenuation (MNA) is defined by the New Mexico Environmental Department in 20.5.13 NMAC as “a methodology for remediation that relies upon a variety of naturally occurring chemical, physical and biological processes to achieve target concentrations in a manner that is equally as protective of public health, safety and welfare, and the environment as other methods and that is accompanied by a program of monitoring to document the process and results of the above mentioned processes.”

As part of the MNA process several lines of evidence need to be evaluated, the general lines of evidence are listed below:

- **Primary Lines of Evidence (PLOE).** Relies on use of historical groundwater data that demonstrate a clear trend of stable or decreasing COC concentrations over time and with distance away from the source at appropriate monitoring or sampling points.
- **Secondary Lines of Evidence (SLOE).** Uses geochemical indicators to document certain geochemical signatures or “footprints” in the groundwater that demonstrated (indirectly) the type of natural attenuation process(es) occurring at the affected property and the destruction of COCs; or uses distance-based/time-based/biodegradation rate calculations to demonstrate attenuation.
- **Other Lines of Evidence (OLOE).** Most often consists of predictive modeling studies and other lab/field studies that demonstrate an understanding of the natural attenuation process(es) occurring at the affected property and their effectiveness in controlling Protective Concentration Level Exceedance (PCLE) zone migration and decreasing COC concentrations.

5.2 Plume Stability and Monitored Natural Attenuation

Vac to Jal #3 site is currently undergoing Plume Stability Analysis. While samples are collected for monitored natural attenuation, insufficient data exists at this time to perform and reliable evaluation.

The dissolved phase plume was evaluated by analyzing groundwater samples collected quarterly from seven monitor wells which did not contain PSH. Benzene was detected above the NMOCD remediation criteria during at least one sampling event in 2013 in monitor wells MW-1, MW-3 and recovery wells RW-1, RW-2, RW-3, RW-4, and RW-5. Benzene concentrations in groundwater samples collected from monitor well MW-2 and

MW-3 appear to be generally decreasing from maximum concentrations observed in 2008. The groundwater samples collected from the remaining wells on site reported benzene, toluene, ethylbenzene and total xylenes (BTEX) constituent concentrations either below the NMOCD remediation criteria or below the laboratory MDLs.

Understanding plume stability is an important step in the remedial planning process for a site. For instance, an increasing plume could potentially migrate to human or environmental receptors, whereas a stable or decreasing plume may not pose an imminent threat to human health and the environment. An introduction to plume stability analysis and the basis for the plume evaluation at the site was presented in the 2009 Annual report.

This analysis was conducted in order to understand the overall stability of the benzene plume during 2008, 2009, 2010, 2011, 2012 and 2013. This study included the development of benzene concentration isopleths maps, an average of the benzene concentrations reported in the four quarterly groundwater sampling events was used for all the wells with no PSH, specifically monitor wells MW-2 through MW-8. Since the wells with PSH were sampled only during the second quarter groundwater sampling events from 2008 through 2013, the benzene concentrations reported during this sampling event were used in the plume evaluation. The plume characteristics such as the plume area, average concentration, mass, and centers of mass were calculated for each of the benzene plumes using numerical methods.

The benzene isopleths maps for 2008, 2009, 2010, 2011, 2012, and 2013 are presented in **Figures 5 through 10** respectively. Previous maps prepared by EarthCon are presented in **Figures 5 through 8**. The analytical data collected for the site used for the plume stability analysis indicated that the benzene plume emanating from the site has a decreasing trend in size and mass while the average concentration of benzene appears to be decreasing as well.

6.0 FINDINGS

Findings and recommendations resulting from 2012 groundwater monitoring at the Vac to Jal 3 site are summarized below.

- Groundwater flow in the uppermost groundwater-bearing unit is to the east-southeast ranging from 0.0043 to 0.0057 ft/ft as measured between wells MW-4 and MW-6.
- Analytical results reported for the groundwater samples collected at six wells (MW-2 and MW-4 through MW-8) displayed BTEX constituent concentrations below laboratory MDLs for all four quarters. MW-1, MW-3, and recovery wells RW-1 through RW-5 exceeded the NMOCD criteria for benzene during the second quarter.
- Weekly PSH recovery from wells MW-1, MW-3, RW-1, RW-2, RW-3, RW-4, and RW-5 continued during 2013. The estimated quantity of PSH recovered from wells exhibiting PSH during weekly PSH recovery efforts totaled approximately 115 gallons, with groundwater recovery totaling approximately 1,109 gallons.
- Four MDPE events were conducted at the site during 2013 with a total of 387 gallons of vapor and fluid product removed and 5,498 gallons of total fluids were removed.
- The PSH plume has remained in the historical source area, located in the vicinity of well MW-1, and recovery wells RW-1 through RW-5, and does not appear to be migrating downgradient.

Based on PSH data and groundwater sampling completed during 2013 (and previously) at the Vac to Jal 3 site, EnTech recommends the following:

- PSH recovery from wells MW-1, MW-3, RW-1 through RW-5 continues on a weekly basis.
- Installation of product recovery system at the site in 2014.
- Groundwater monitoring continues on a quarterly basis.

FIGURES

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- Figure 2** **Site Layout and Soil Boring Location Map**
- Figure 3A** **1st Quarter 2013 – Groundwater Gradient Map, February 28, 2013**
- Figure 3B** **2nd Quarter 2013 – Groundwater Gradient Map, June 12, 2013**
- Figure 3C** **3rd Quarter 2013 – Groundwater Gradient Map, September 10, 2013**
- Figure 3D** **4th Quarter 2013 – Groundwater Gradient Map, December 11, 2013**
- Figure 4A** **1st Quarter 2013 – Groundwater Analytical Map, February 28, 2013**
- Figure 4B** **2nd Quarter 2013 – Groundwater Analytical Map, June 12, 2013**
- Figure 4C** **3rd Quarter 2013 – Groundwater Analytical Map, September 10, 2013**
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- Figure 5** **2008 – Benzene Isopleth Map**
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- Figure 9** **2012 – Benzene Isopleth Map**
- Figure 10** **2013 – Benzene Isopleth Map**
- Figure 11** **2013 – Soil Analytical Results – November 6th and 7th, 2013**

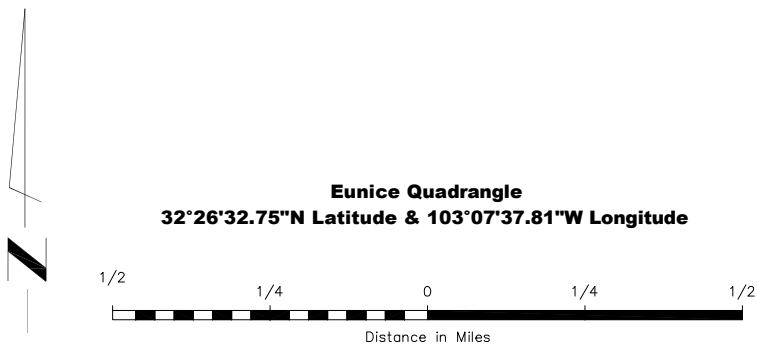
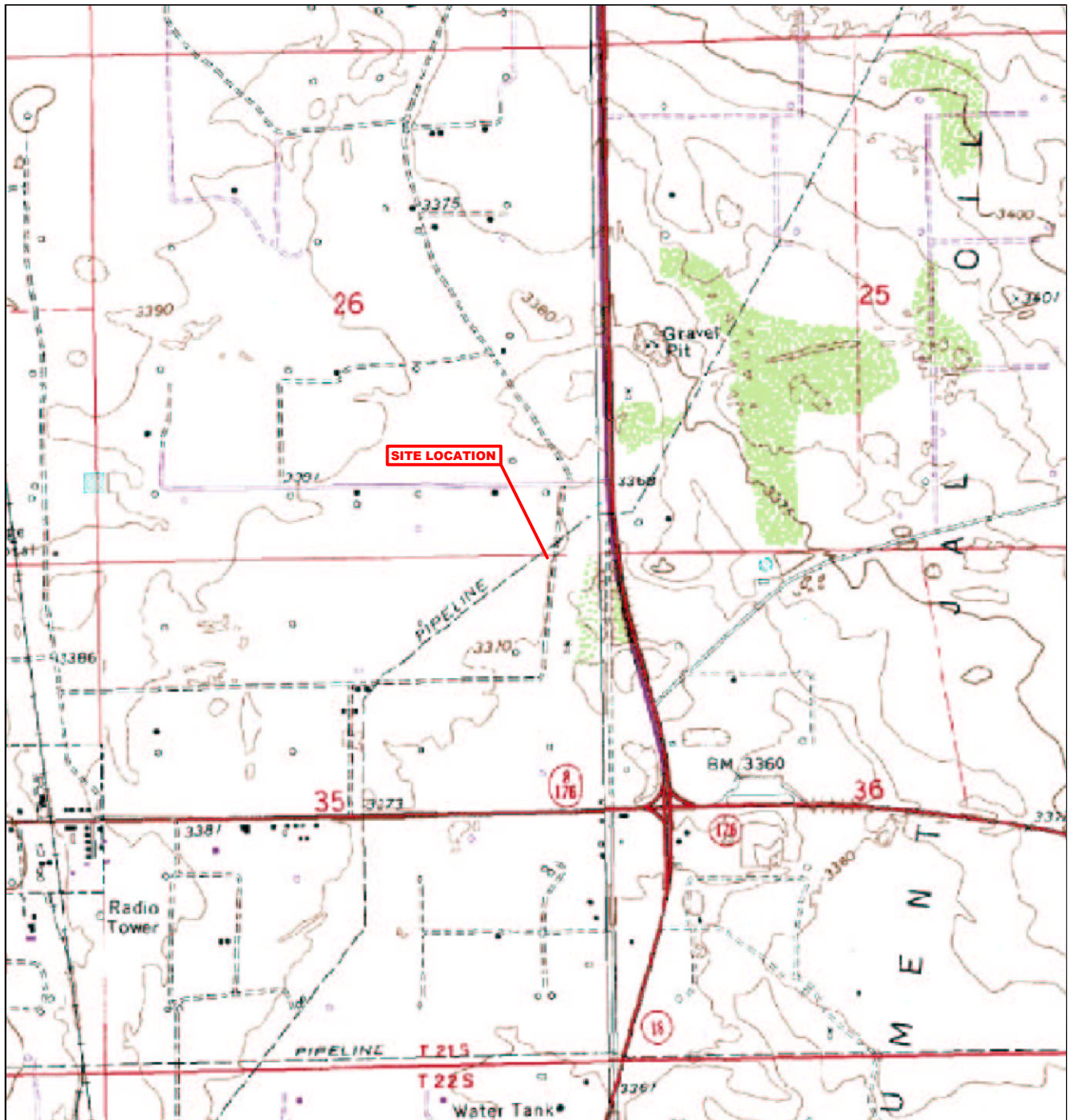
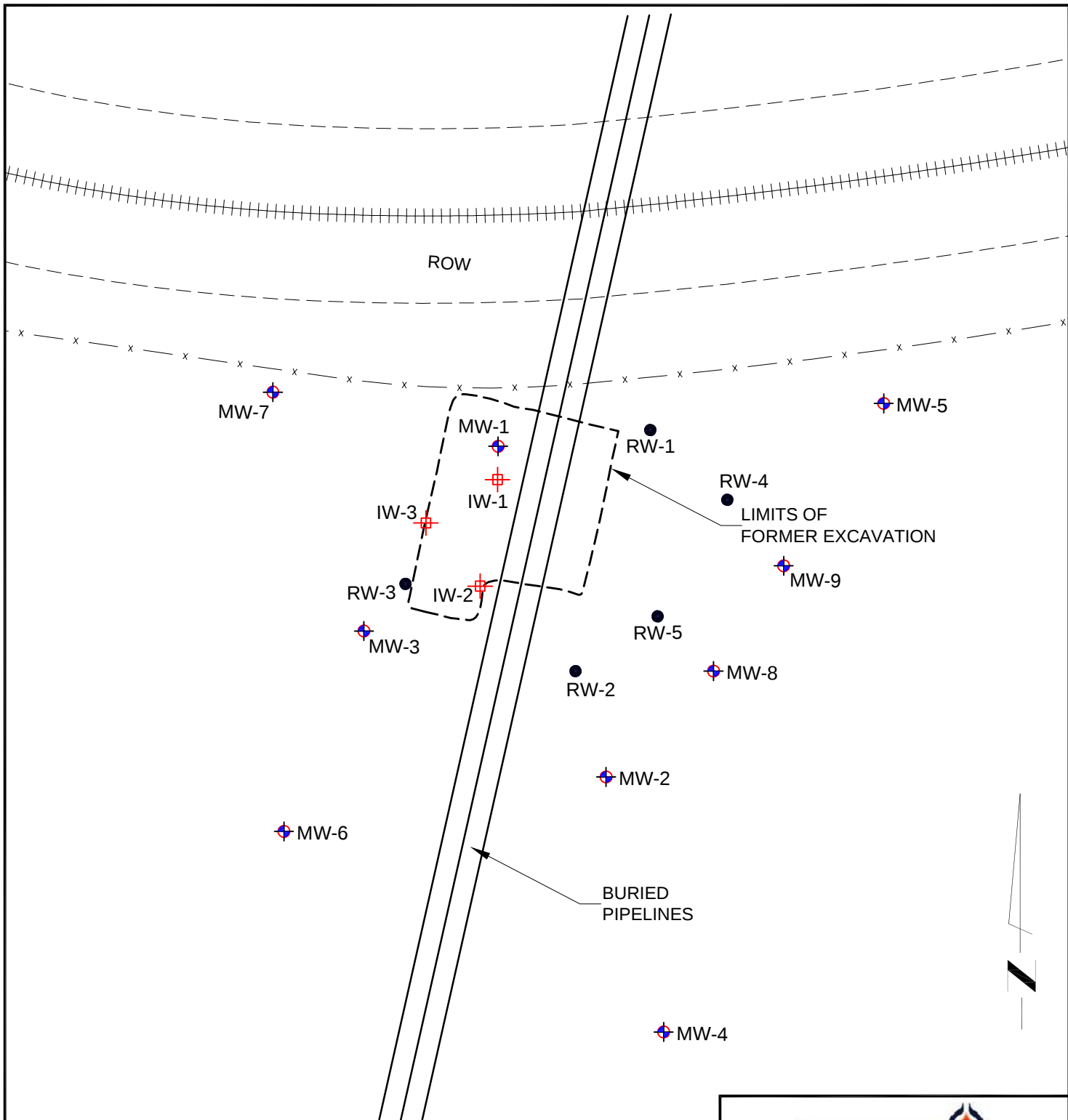


Figure 1
 Site Location Map
 Vacuum to Jal 14" Mainline #3
 SRS. No.: 2003-00117
 Plains Marketing, L.P.
 Lea County, New Mexico



LEGEND:

- RW-1 -Recovery Well Location
- ⊕ MW-1 -Monitor Well Location
- ⊕ IW-1 -Recovery/Injection Well Location

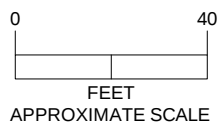
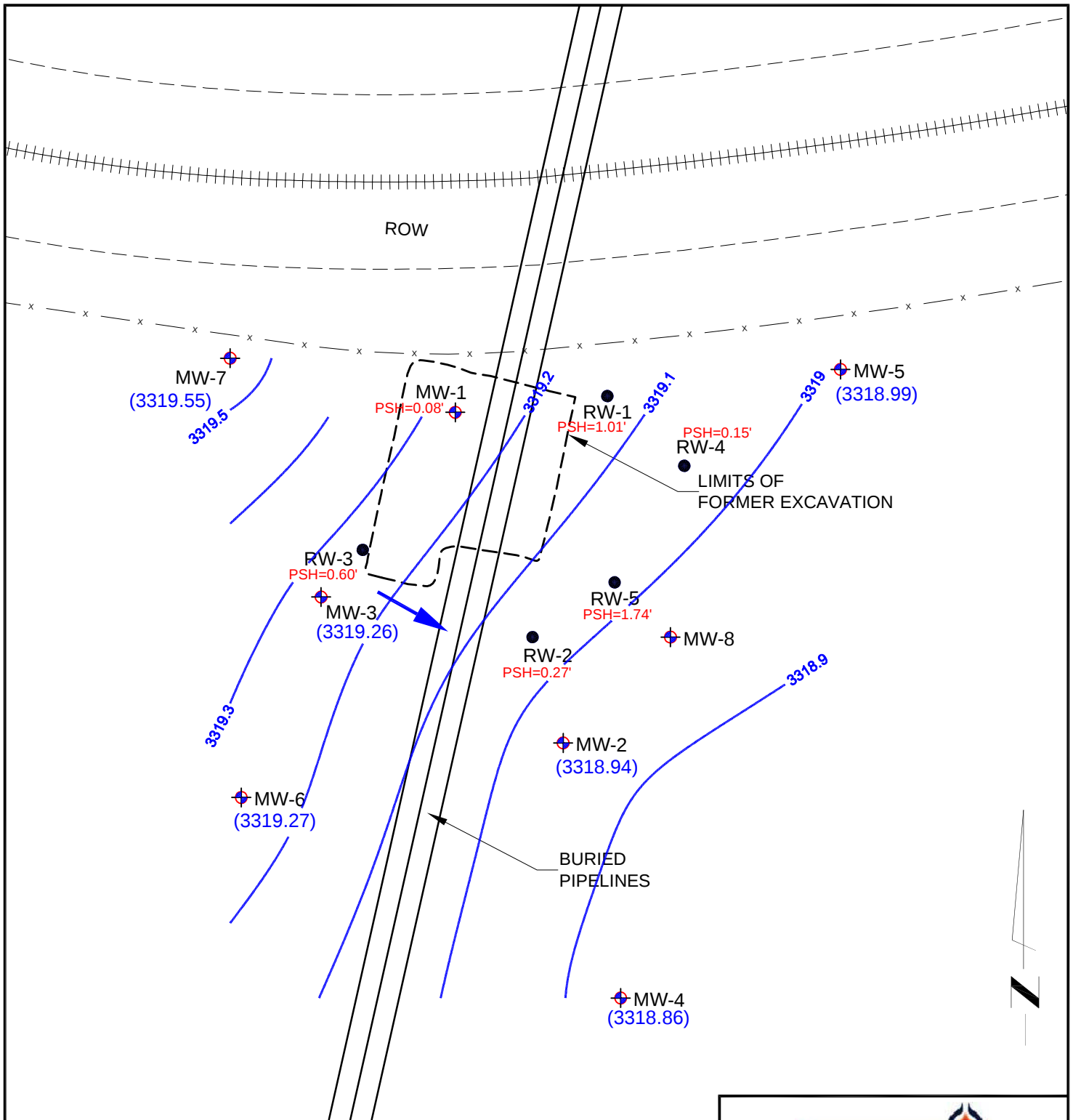


Figure 2
Site Map
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Plains Marketing, L.P.
Lea County, New Mexico



LEGEND:

- RW-1 -Recovery Well Location
- ⊕ MW-1 -Monitor Well Location
- 2860.75- - Groundwater Elevation Contour, ft.
Contour Interval = 0.10'
- (2860.46) - Corrected Groundwater Elevation, ft.
- ← - Grounwater Flow Direction

Note: MW-1, MW-3, MW-8, & RW-1 through RW-5 are not used to prepare the contours.

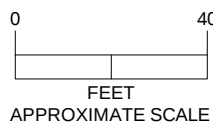
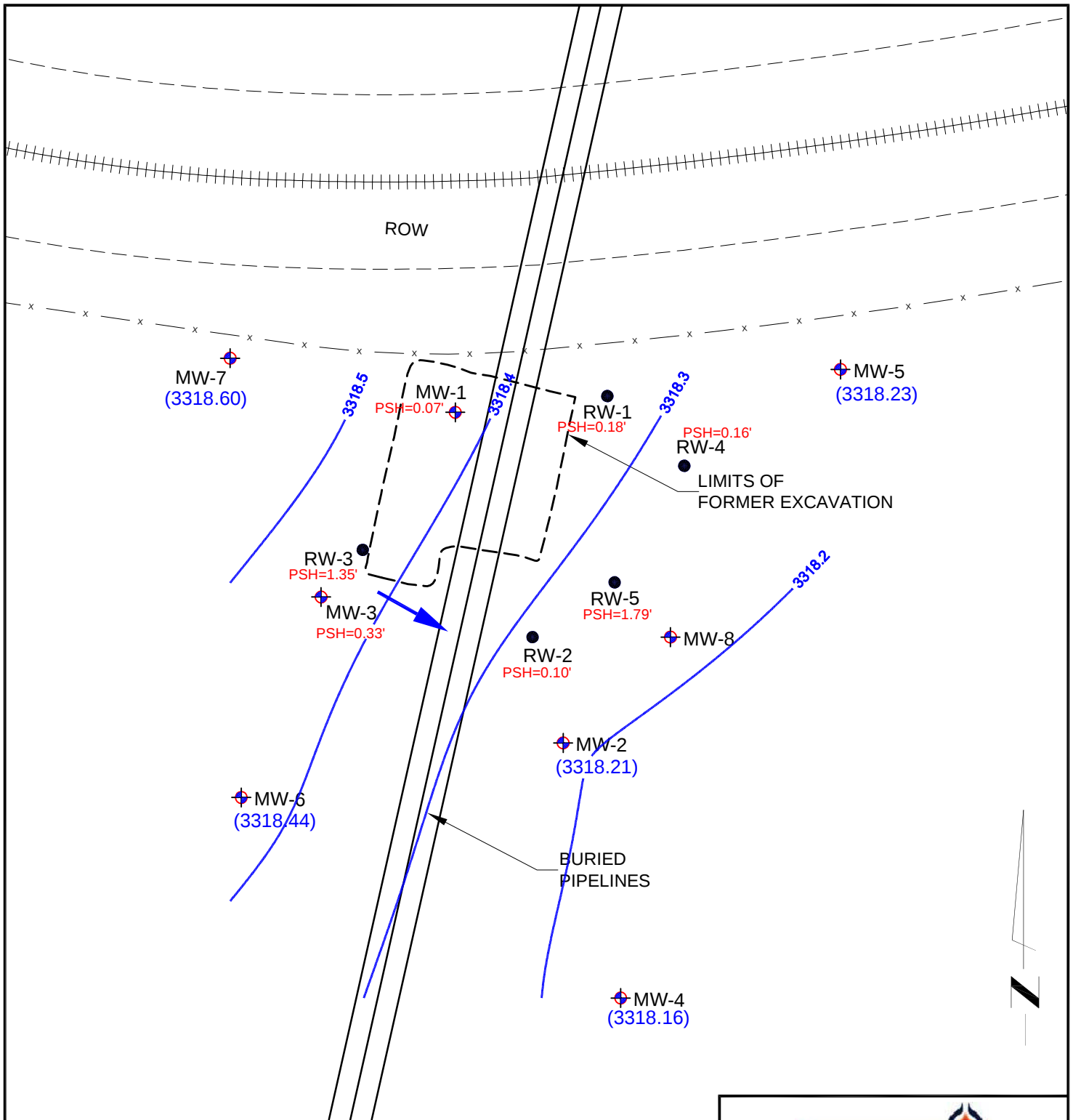


Figure 3A
1st Quarter 2013 - Groundwater Gradient Map
February 28, 2013
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12014

DATE: 11/13



LEGEND:

- RW-1 -Recovery Well Location
- ⊕ MW-1 -Monitor Well Location
- 2860.75- - Groundwater Elevation Contour, ft.
Contour Interval = 0.10'
- (2860.46) - Corrected Groundwater Elevation, ft.
- ← - Grounwater Flow Direction

Note: MW-1, MW-3, MW-8, & RW-1 through RW-5 are not used to prepare the contours.

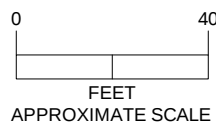
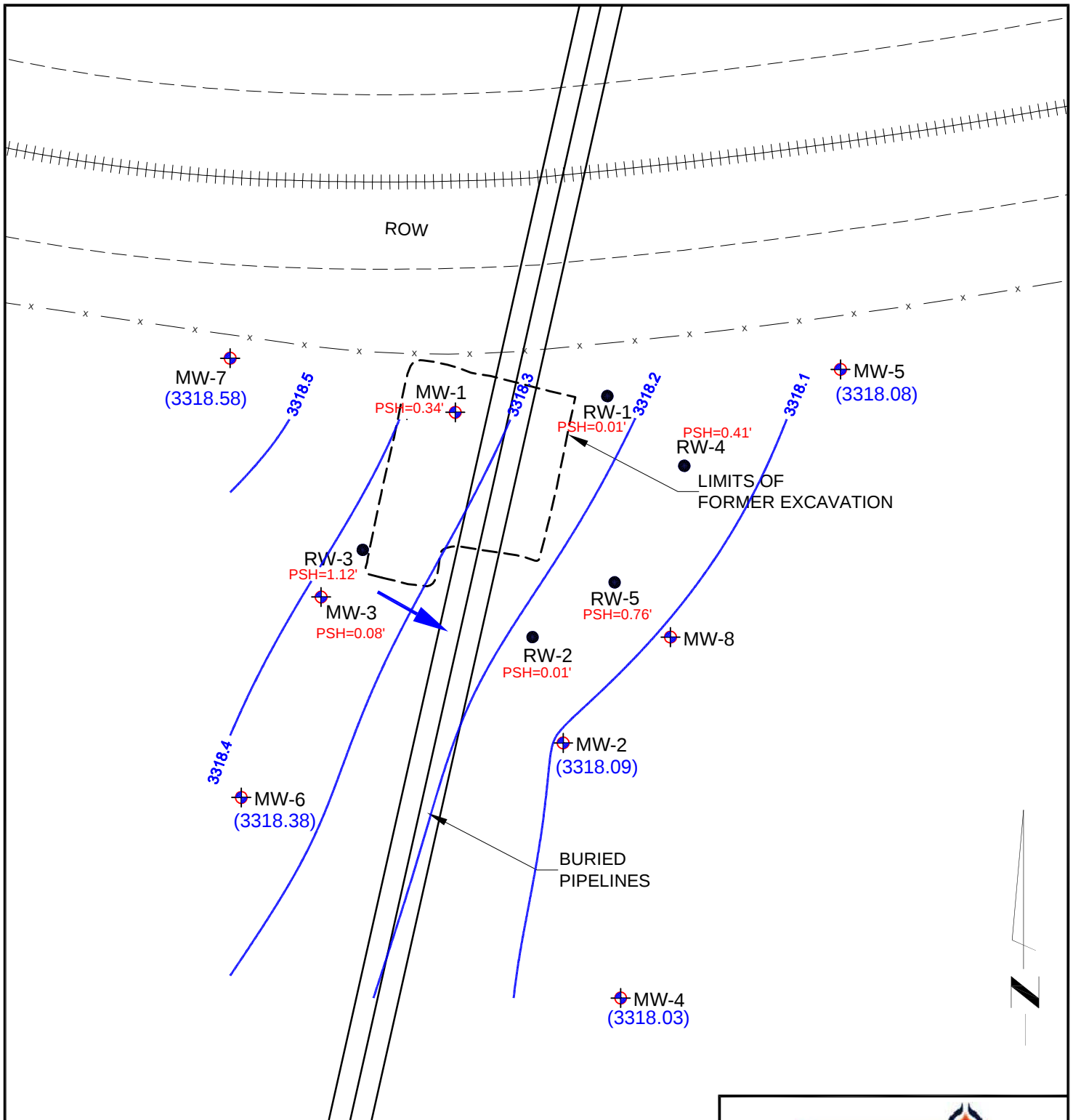


Figure 3B
2nd Quarter 2013 - Groundwater Gradient Map
June 12, 2013
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12014

DATE: 11/13



LEGEND:

- RW-1 -Recovery Well Location
- ⊕ MW-1 -Monitor Well Location
- 2860.75- - Groundwater Elevation Contour, ft.
Contour Interval = 0.10'
- (2860.46) - Corrected Groundwater Elevation, ft.
- ← - Grounwater Flow Direction

Note: MW-1, MW-3, MW-8, & RW-1 through RW-5 are not used to prepare the contours.

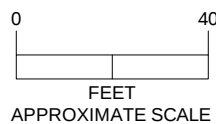
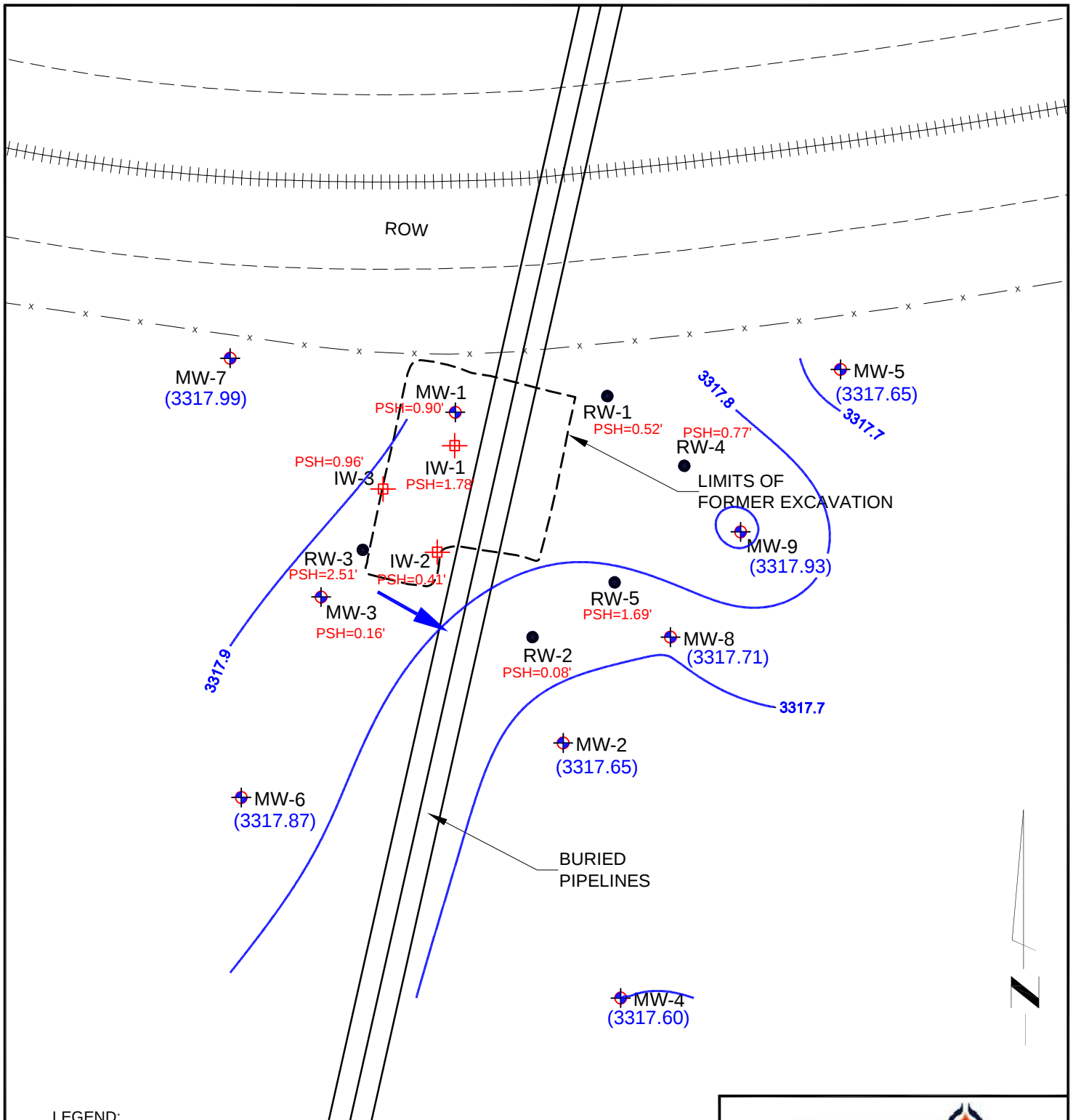


Figure 3C
3rd Quarter 2013 - Groundwater Gradient Map
September 10, 2013
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12014

DATE: 11/13



LEGEND:

- RW-1 -Recovery Well Location
- ⊕ MW-1 -Monitor Well Location
- ⊕ IW-1 -Recovery/Injection Well Location
- 2860.75- Groundwater Elevation Contour, ft.
Contour Interval = 0.10'
- (2860.46) - Corrected Groundwater Elevation, ft.
- ← - Grounwater Flow Direction

Note: MW-1, MW-3, MW-8, & RW-1 through RW-5 are not used to prepare the contours.

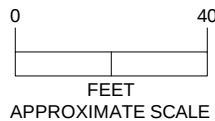
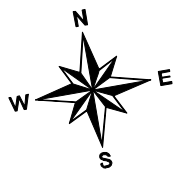


Figure 3D
4th Quarter 2013 - Groundwater Gradient Map
December 11, 2013
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12014

DATE: 11/13



Insufficient data to complete contours

ROW

MW-5

[1]

RW-1

[1,200]

RW-4

[NS (797)]

MW-1

[4,360]

LIMITS OF
FORMER EXCAVATION

RW-3

[2,170]

RW-5

[NS (799)]

MW-8

[NS (<1)]

MW-3

[213]

RW-2

[63]

MW-2

[116]

MW-6

[<1]

MW-4

[<1]

Concentration
ug/L

4000
3000
2000
1000
500
250
100
50
25
5

BURIED
PIPELINES

LEGEND:

RW ■ RW - Recovery Wells

MW ● MW - Monitor Wells

+ Plume Center of Mass

[2] Benzene Concentration (ug/L)

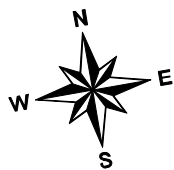
[NS (803)] Well Not Sampled,
Assumed Concentration (ug/L)

0 FT 50 FT 100 FT

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Figure 5
2008 - Benzene Isopleth Map
Plains Pipeline, L.P.
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Lea County, New Mexico

PROJ. NO: 205068.00 DN: KMC DATE: 1/12



Insufficient data to complete contours

ROW

MW-5

[<1]

RW-1

[263]

RW-4

[NS (797)]

MW-1

[3,420]

LIMITS OF
FORMER EXCAVATION

MW-7

[<1]

RW-3

[834]

RW-5

[NS (799)]

MW-8

[NS (<1)]

MW-3

[48]

RW-2

[276]

MW-2

[43]

MW-6

[<1]

MW-4

[<1]

BURIED
PIPELINES

Concentration
ug/L

4000
3000
2000
1000
500
250
100
50
25
5

LEGEND:

RW ■ RW - Recovery Wells

MW ● MW - Monitor Wells

+ Plume Center of Mass

[2] Benzene Concentration (ug/L)

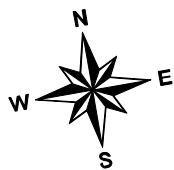
[NS (803)] Well Not Sampled,
Assumed Concentration (ug/L)

0 FT 50 FT 100 FT



Figure 6
2009 - Benzene Isopleth Map
Plains Pipeline, L.P.
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Lea County, New Mexico

PROJ. NO: 205068.00 DN: KMC DATE: 1/12



Insufficient data to complete contours

ROW

MW-5

[<1]

RW-1

[780]

RW-4

[797]

MW-1

[2,800]

LIMITS OF
FORMER EXCAVATION

RW-3

[480]

RW-5

[799]

MW-8

[<1]

MW-3

[7]

RW-2

[370]

MW-2

[<1]

MW-6

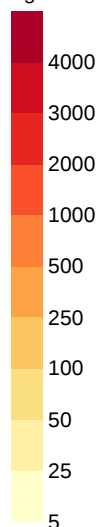
[<1]

MW-4

[<1]

BURIED
PIPELINES

Concentration
ug/L



LEGEND:

RW ■ RW - Recovery Wells

MW ● MW - Monitor Wells

⊕ Plume Center of Mass

[2] Benzene Concentration (ug/L)

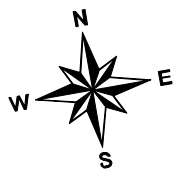
[NS (803)] Well Not Sampled,
Assumed Concentration (ug/L)

0 FT 50 FT 100 FT



Figure 7
2010 - Benzene Isopleth Map
Plains Pipeline, L.P.
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Lea County, New Mexico

PROJ. NO: 205068.00 DN: KMC DATE: 1/12



Insufficient data to complete contours

ROW

MW-5

[<1]

RW-1

[150]

RW-4

[170]

MW-1

[2,700]

RW-3

[1,000]

LIMITS OF
FORMER EXCAVATION

MW-7

[<1]

MW-8

[<1]

MW-3

[5]

RW-5

[28]

RW-2

[9]

MW-2

[<1]

MW-6

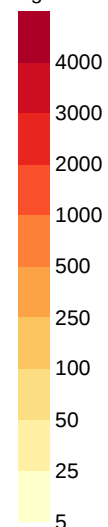
[<1]

MW-4

[<1]

BURIED
PIPELINES

Concentration
ug/L



LEGEND:

RW ■ RW - Recovery Wells

MW ● MW - Monitor Wells

⊕ Plume Center of Mass

[2] Benzene Concentration (ug/L)

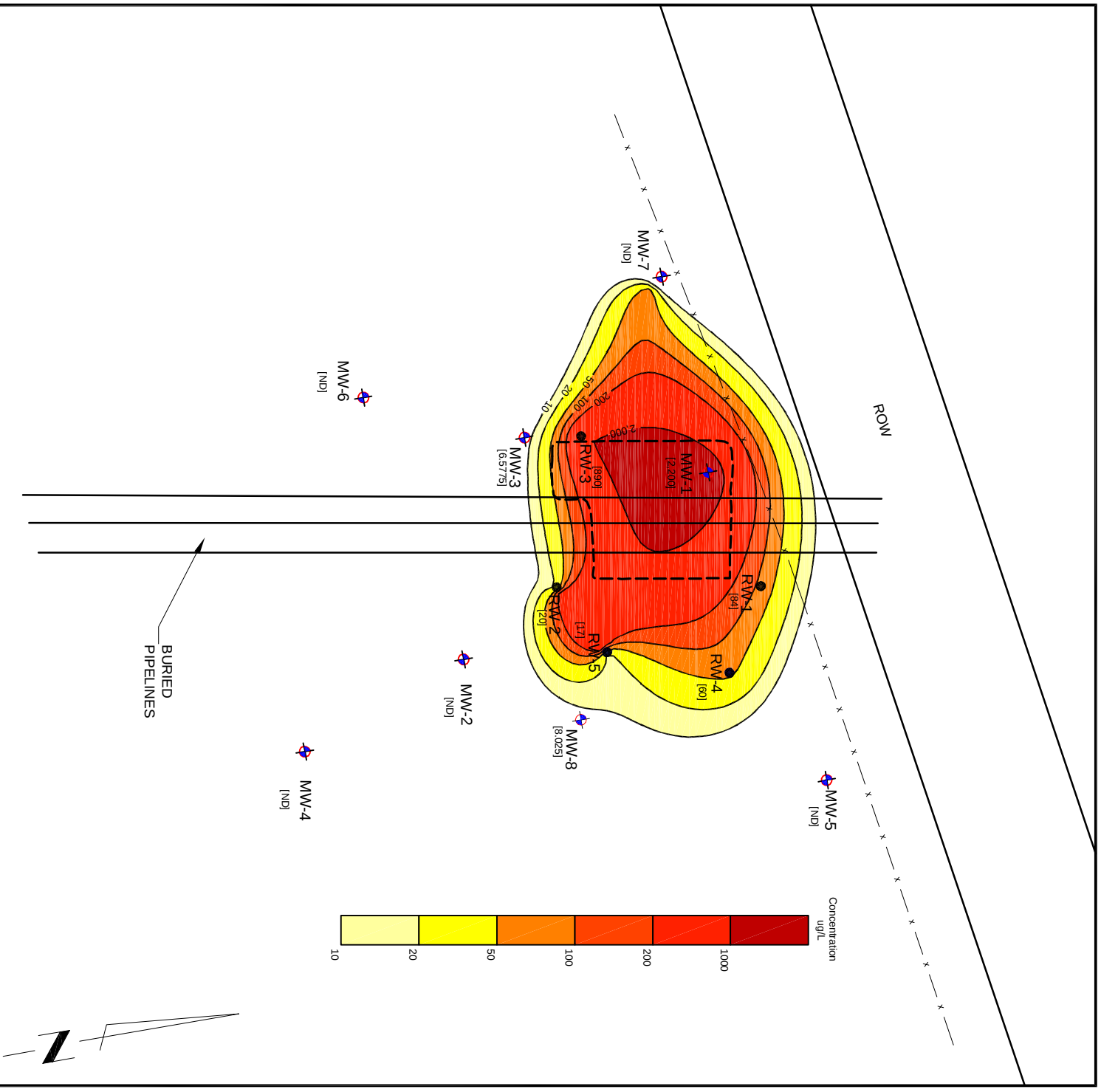
[NS (803)] Well Not Sampled,
Assumed Concentration (ug/L)

0 FT 50 FT 100 FT

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Figure 8
2011 - Benzene Isopleth Map
Plains Pipeline, L.P.
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Lea County, New Mexico

PROJ. NO: 205068.00 | DN: KMC | DATE: 1/12



LEGEND:

- RW-1 -Recovery Well Location
- MW-1 -Monitor Well Location
- [550] -Benzene Concentration in ug/L
- ND -Not Detected

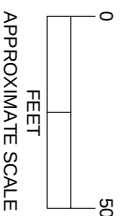
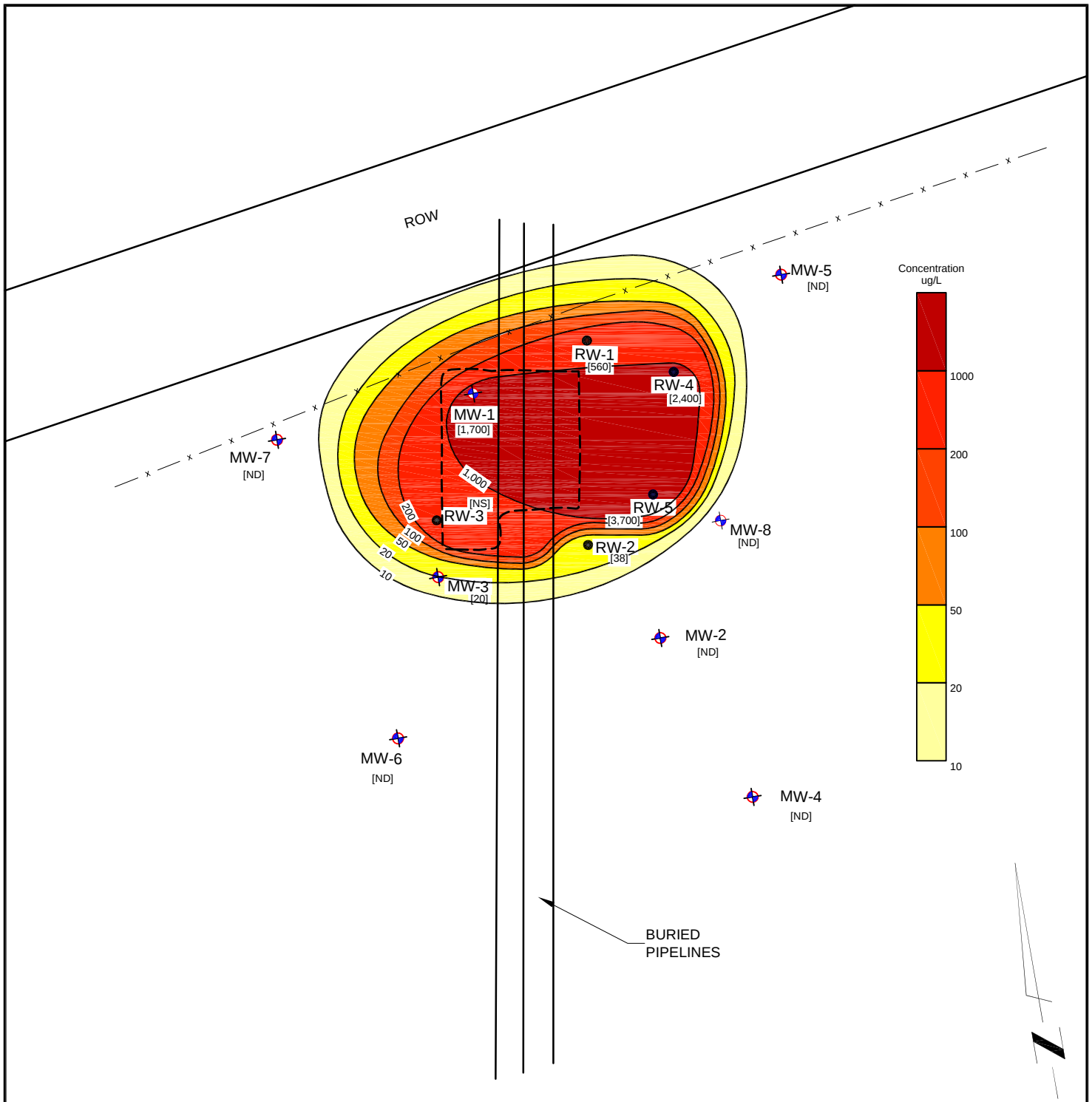


Figure 9

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Houston, TX - (281) 362-2714

2012 - Benzene Isopleth Map
Vacuum to Jai 14" Mainline #3
SRS. No.: 2003-00117
Plains Marketing, L.P.
Lea County, New Mexico

NOTE:
The benzene concentrations presented on this map represent an average of the concentrations reported in the groundwater samples collected during each quarterly sampling event during 2012. The only exception is the concentrations reported in groundwater sample collected from RW-1 through RW-5 & MW-1. This wells were only sampled during the 2nd Quarter 2012.



LEGEND:

- RW-1 -Recovery Well Location
- ⊕ MW-1 -Monitor Well Location
- [550] -Benzene Concentration in ug/L
- ND -Not Detected

NOTE:

The benzene concentrations presented on this map represent an average of the concentrations reported in the groundwater samples collected during each quarterly sampling event during 2013. The only exception is the concentrations reported in groundwater sample collected from RW-1 through RW-5 & MW-1. These wells were only sampled during the 2nd Quarter 2013.

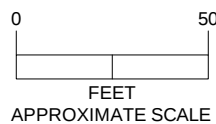
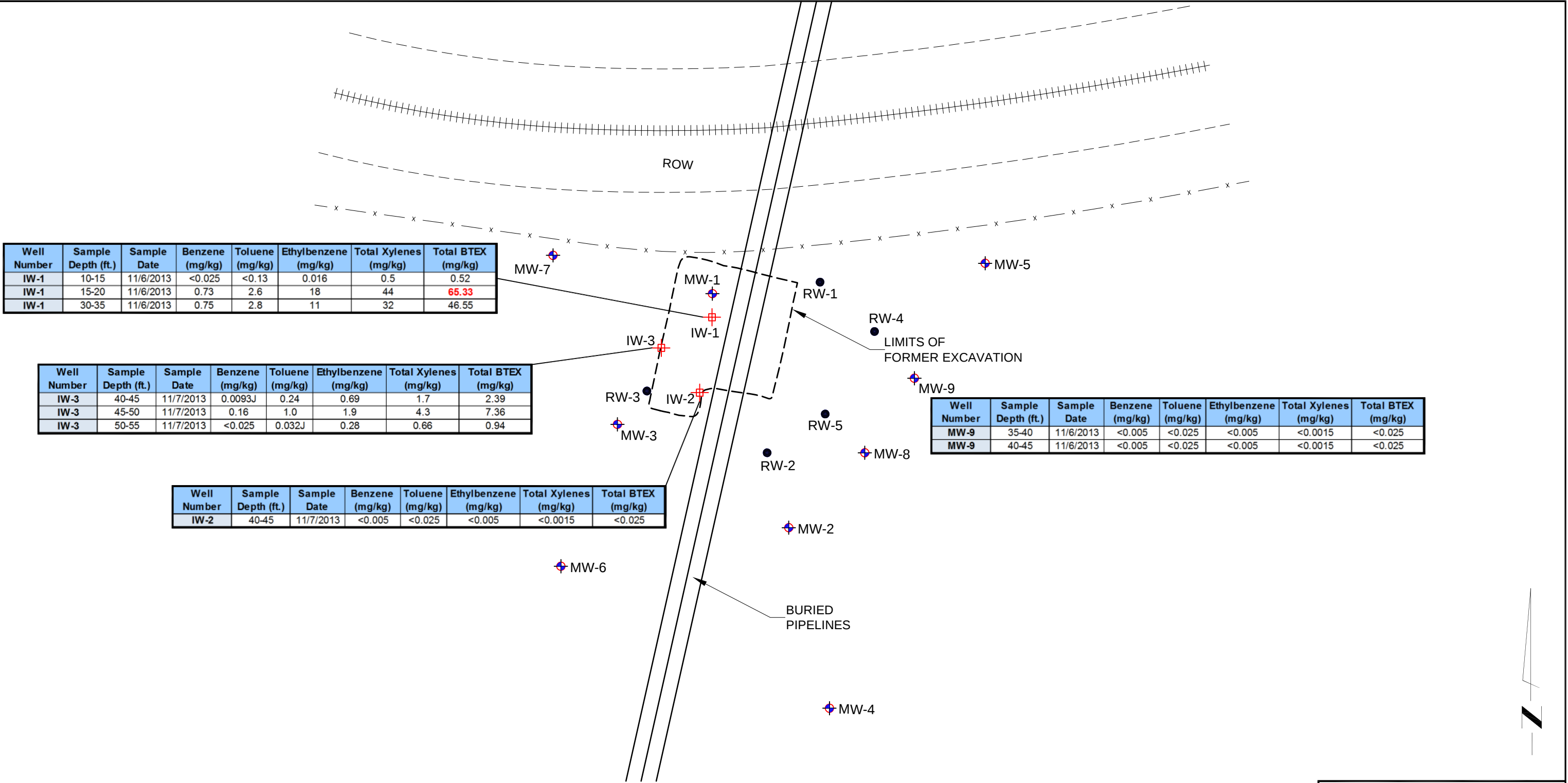


Figure 10
2013 - Benzene Isopleth Map
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12014

DATE: 2/14





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Figure 11
Soil Analytical Map
November 6 & 7, 2013
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12014 | DATE: 1/14

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Table 2	Historical Well Survey Data and Groundwater Elevations
Table 3	2013 Groundwater Analytical Results
Table 4	Historical Groundwater Analytical Results
Table 5	Groundwater Analytical Results for Polynuclear Aromatic Hydrocarbons (PAHs) from Wells with PSH/Sheen
Table 6	2013 Monthly PSH and Dissolved Phase Groundwater Recovery Data
Table 7	2013 Soil Analytical Data

TABLE 1
2013 WELL SURVEY DATA AND GROUNDWATER ELEVATION

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Corrected Groundwater Elevation (ft)	Comments
MW-1	02/28/13	3362.64	55.60	50.40	50.48	0.08	3312.23	
MW-1	06/12/13	3362.64	50.60	51.25	51.32	0.07	3311.38	Sampled
MW-1	09/10/13	3362.64	50.60	51.29	51.63	0.34	3311.30	
MW-1	12/11/13	3362.64	50.60	51.74	52.64	0.90	3310.77	
MW-2	02/28/13	3367.00	56.36	ND	48.06	ND	3318.94	Sampled
MW-2	06/12/13	3367.00	56.36	ND	48.79	ND	3318.21	Sampled
MW-2	09/10/13	3367.00	56.36	ND	48.91	ND	3318.09	Sampled
MW-2	12/11/13	3367.00	56.30	ND	49.35	ND	3317.65	Sampled
MW-3	02/28/13	3369.10	55.00	ND	49.84	ND	3319.26	Sampled
MW-3	06/12/13	3369.10	55.00	50.64	50.97	0.33	3318.41	Sampled
MW-3	09/10/13	3369.10	55.00	50.75	50.83	0.08	3318.34	
MW-3	12/11/13	3369.10	55.00	51.26	51.42	0.16	3317.82	
MW-4	02/28/13	3365.12	59.50	ND	46.26	ND	3318.86	Sampled
MW-4	06/12/13	3365.12	59.50	ND	46.96	ND	3318.16	Sampled
MW-4	09/10/13	3365.12	59.50	ND	47.09	ND	3318.03	Sampled
MW-4	12/11/13	3365.12	59.50	ND	47.52	ND	3317.60	Sampled
MW-5	02/28/13	3364.74	52.90	ND	45.75	ND	3318.99	Sampled
MW-5	06/12/13	3364.74	52.90	ND	46.51	ND	3318.23	Sampled
MW-5	09/10/13	3364.74	52.90	ND	46.66	ND	3318.08	Sampled
MW-5	12/11/13	3364.74	52.90	ND	47.09	ND	3317.65	Sampled
MW-6	02/28/13	3368.96	59.33	NA	49.69	NA	3319.27	Sampled
MW-6	06/12/13	3368.96	59.33	NA	50.52	NA	3318.44	Sampled
MW-6	09/10/13	3368.96	59.33	NA	50.58	NA	3318.38	Sampled
MW-6	12/11/13	3368.96	59.33	ND	51.09	ND	3317.87	Sampled
MW-7	02/28/13	3370.25	59.69	NA	50.70	NA	3319.55	Sampled
MW-7	06/12/13	3370.25	59.69	NA	51.65	NA	3318.60	Sampled
MW-7	09/10/13	3370.25	59.69	NA	51.67	NA	3318.58	Sampled
MW-7	12/11/13	3370.25	58.72	ND	52.26	ND	3317.99	Sampled
MW-8	02/28/13	NS	59.60	ND	46.15	ND	NS	Sampled
MW-8	06/12/13	NS	59.60	ND	46.85	ND	NS	Sampled
MW-8	09/10/13	NS	59.60	ND	47.00	ND	NS	Sampled
MW-8	12/11/13	3365.11	59.60	ND	47.40	ND	3317.71	Sampled

TABLE 1
2013 WELL SURVEY DATA AND GROUNDWATER ELEVATION

Plains Marketing, L.P.
 Vacuum to Jal 14" Mainline #3
 SRS #2003-00117
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Corrected Groundwater Elevation (ft)	Comments
MW-9	12/11/13	3364.69	62.46	ND	46.76	ND	3317.93	Sampled
RW-1	02/28/13	3368.12	58.70	48.81	49.82	1.01	3319.16	
RW-1	06/12/13	3368.12	58.70	49.75	49.93	0.18	3318.34	Sampled
RW-1	09/10/13	3368.12	58.70	49.84	49.85	0.01	3318.28	
RW-1	12/11/13	3368.12	58.70	50.30	50.82	0.52	3317.74	
RW-2	02/28/13	3368.32	58.98	49.22	49.49	0.27	3319.06	
RW-2	06/12/13	3368.32	58.98	50.01	50.11	0.10	3318.30	Sampled
RW-2	09/10/13	3368.32	58.98	50.12	50.13	0.01	3318.20	
RW-2	12/11/13	3368.32	58.98	50.61	50.69	0.08	3317.70	
RW-3	02/28/13	3369.05	59.57	49.65	50.25	0.60	3319.31	
RW-3	06/12/13	3369.05	59.57	50.40	51.75	1.35	3318.45	Sampled
RW-3	09/10/13	3369.05	59.57	50.51	51.63	1.12	3318.37	
RW-3	12/11/13	3369.05	59.57	50.83	53.34	2.51	3317.84	
RW-4	02/28/13	NS	57.63	48.35	48.50	0.15	NS	
RW-4	06/12/13	NS	57.63	49.14	49.30	0.16	NS	Sampled
RW-4	09/10/13	NS	57.63	49.20	49.61	0.41	NS	
RW-4	12/11/13	3367.11	57.63	49.63	50.40	0.77	3317.36	
RW-5	02/28/13	NS	59.73	48.96	50.70	1.74	NS	
RW-5	06/12/13	NS	59.73	49.71	51.50	1.79	NS	Sampled
RW-5	09/10/13	NS	59.73	49.98	50.74	0.76	NS	
RW-5	12/11/13	3368.34	59.73	50.31	52.00	1.69	3317.78	
IW-1	12/11/13	3368.53		50.68	52.46	1.78	3317.58	
IW-2	12/11/13	3368.63	64.05	50.90	51.31	0.41	3317.67	
IW-3	12/11/13	3368.96	63.86	51.06	52.02	0.96	3317.76	

NA: Not applicable
 ND: Not detected
 NS: Not surveyed

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-1	09/14/05	3362.64	NG	ND	36.42	ND	NA	NA	NA	3326.22	Installed Sock
MW-1	09/20/05	3362.64	46.81	ND	40.37	ND	NA	NA	NA	3322.27	Flipped Sock
MW-1	09/21/05	3362.64	NG	41.00	41.02	0.02	NA	NA	NA	3321.64	New Sock
MW-1	10/05/05	3362.64	NG	41.00	41.15	0.15	NA	NA	NA	3321.62	Flipped Sock
MW-1	10/27/05	3362.64	NG	41.23	41.24	0.01	NA	NA	NA	3321.41	New Sock
MW-1	11/10/05	3362.64	NG	41.22	41.23	0.01	NA	NA	NA	3321.42	Flipped Sock
MW-1	12/21/05	3362.64	NG	ND	40.95	ND	NA	NA	NA	3321.69	New Sock
MW-1	12/29/05	3362.64	NG	ND	40.77	ND	NA	NA	NA	3321.87	Flipped Sock
MW-1	01/05/06	3362.64	NG	41.03	41.05	0.02	NA	NA	NA	3321.61	New Sock
MW-1	02/09/06	3362.64	NG	40.87	40.88	0.01	NA	NA	NA	3321.77	New Sock
MW-1	02/22/06	3362.64	NG	40.77	40.78	0.01	NA	NA	NA	3321.87	Flipped Sock
MW-1	03/28/06	3362.64	NG	ND	41.23	ND	NA	NA	NA	3321.41	Sock
MW-1	04/13/06	3362.64	NG	ND	41.40	ND	NA	NA	NA	3321.24	New Sock
MW-1	04/25/06	3362.64	NG	ND	41.30	ND	NA	NA	NA	3321.34	Flipped Sock
MW-1	05/11/06	3362.64	NG	ND	41.55	ND	NA	NA	NA	3321.09	New Sock
MW-1	05/24/06	3362.64	NG	ND	41.20	ND	NA	NA	NA	3321.44	New Sock
MW-1	06/07/06	3362.64	NG	ND	41.77	ND		0.00	5.00	3320.87	New Sock
MW-1	06/07/06	3362.64	NG	ND	41.63	ND	NA	NA	NA	3321.01	New Sock
MW-1	06/15/06	3362.64	NG	ND	41.50	ND	NA	NA	NA	3321.14	New Sock
MW-1	06/29/06	3362.64	NG	41.73	42.18	0.45	NA	NA	NA	3320.84	New Sock
MW-1	06/29/06	3362.64	NG	41.95	41.97	0.02	NA	NA	NA	3320.69	New Sock
MW-1	07/11/06	3362.64	NG	41.82	42.03	0.21	NA	NA	NA	3320.79	Flipped Sock
MW-1	07/25/06	3362.64	NG	42.41	42.60	0.19	NA	NA	NA	3320.20	New Sock
MW-1	08/09/06	3362.64	48.75	41.95	42.76	0.81	NA	NA	NA	3320.57	Sock
MW-1	08/09/06	3362.64	NG	ND	45.50	ND	NA	NA	NA	3317.14	Flipped Sock
MW-1	09/12/06	3362.64	48.93	41.92	43.92	2.00	NA	NA	NA	3320.42	Removed Sock
MW-1	09/19/06	3362.64	NG	41.45	43.35	1.90	Hand Bailed	3.00	7.00	3320.91	
MW-1	09/19/06	3362.64	NG	46.50	46.55	0.05	NA	NA	NA	3316.13	
MW-1	10/03/06	3362.64	NG	41.52	42.53	1.01	Hand Bailed	1.50	7.00	3320.97	
MW-1	10/03/06	3362.64	NG	48.35	48.37	0.02	NA	NA	NA	3314.29	No Sock
MW-1	10/17/06	3362.64	NG	48.43	49.43	1.00	Hand Bailed	1.50	3.50	3314.06	
MW-1	10/17/06	3362.64	NG	54.20	54.21	0.01	NA	NA	NA	3308.44	No Sock
MW-1	10/31/06	3362.64	NG	48.48	49.56	1.08	Hand Bailed	1.50	3.50	3314.00	
MW-1	10/31/06	3362.64	NG	51.77	51.85	0.08	NA	NA	NA	3310.86	No Sock
MW-1	11/15/06	3362.64	NG	48.50	49.51	1.01	Hand Bailed	1.00	9.00	3313.99	
MW-1	11/15/06	3362.64	NG	51.40	51.55	0.15	NA	NA	NA	3311.22	No Sock
MW-1	12/06/06	3362.64	NG	48.35	49.62	1.27	Hand Bailed	1.00	9.00	3314.10	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-1	12/13/06	3362.64	NG	48.32	49.68	1.36	Hand Bailed	1.50	3.50	3314.12	
MW-1	12/13/06	3362.64	NG	52.09	52.11	0.02	NA	NA	NA	3310.55	No Sock
MW-1	12/20/06	3362.64	NG	48.08	49.62	1.54	Hand Bailed	1.50	6.50	3314.33	
MW-1	12/20/06	3362.64	NG	53.00	53.06	0.06	NA	NA	NA	3309.63	No Sock
MW-1	12/27/06	3362.64	NG	48.25	49.11	0.86	Hand Bailed	1.00	4.00	3314.26	
MW-1	12/27/06	3362.64	NG	52.28	52.31	0.03	NA	NA	NA	3310.36	No Sock
MW-1	01/03/07	3362.64	NG	48.28	49.12	0.84	Hand Bailed	1.50	8.50	3314.23	
MW-1	01/03/07	3362.64	NG	53.62	53.65	0.03	NA	NA	NA	3309.02	No Sock
MW-1	01/09/07	3362.64	NG	47.81	49.12	1.31	Hand Bailed	1.25	8.50	3314.63	
MW-1	01/09/07	3362.64	NG	53.49	53.51	0.02	NA	NA	NA	3309.15	No Sock
MW-1	01/18/07	3362.64	NG	48.26	49.12	0.86	Hand Bailed	1.50	8.50	3314.25	
MW-1	01/18/07	3362.64	NG	52.30	52.34	0.04	NA	NA	NA	3310.33	No Sock
MW-1	01/25/07	3362.64	NG	48.16	48.82	0.66	Hand Bailed	1.00	5.00	3314.38	
MW-1	01/25/07	3362.64	NG	52.20	52.25	0.05	NA	NA	NA	3310.43	No Sock
MW-1	01/31/07	3362.64	NG	48.03	48.53	0.50	Hand Bailed	0.25	5.50	3314.54	
MW-1	01/31/07	3362.64	NG	DRY	DRY	DRY	NA	NA	NA	DRY	No Sock
MW-1	02/07/07	3362.64	NG	48.10	48.64	0.54	Hand Bailed	0.25	6.00	3314.46	
MW-1	02/07/07	3362.64	NG	DRY	DRY	DRY	NA	NA	NA	DRY	No Sock
MW-1	02/14/07	3362.64	NG	48.14	48.69	0.55	Hand Bailed	0.25	7.00	3314.42	
MW-1	02/14/07	3362.64	NG	DRY	DRY	DRY	NA	NA	NA	DRY	No Sock
MW-1	02/21/07	3362.64	NG	48.15	49.05	0.90	Hand Bailed	0.75	9.00	3314.36	
MW-1	02/21/07	3362.64	NG	Dry	Dry	Dry	Dry	Dry	Dry	Dry	No Sock
MW-1	03/07/07	3362.64	NG	48.09	49.28	1.19	Hand Bailed	2.00	5.50	3314.37	Bailed Dry
MW-1	03/07/07	3362.64	NG	52.80	52.85	0.05	NA	NA	NA	3309.83	No Sock
MW-1	03/14/07	3362.64	NG	48.16	48.84	0.68	Hand Bailed	0.75	2.25	3314.38	
MW-1	03/14/07	3362.64	NG	50.50	50.54	0.04	NA	NA	NA	3312.13	No Sock
MW-1	03/21/07	3362.64	NG	48.24	48.30	0.06	Hand Bailed	0.50	1.50	3314.39	
MW-1	03/21/07	3362.64	NG	49.65	49.69	0.04	NA	NA	NA	3312.98	No Sock
MW-1	03/28/07	3362.64	NG	48.06	49.14	1.08	Hand Bailed	1.50	1.50	3314.42	
MW-1	03/28/07	3362.64	NG	50.80	50.86	0.06	NA	NA	NA	3311.83	No Sock
MW-1	04/04/07	3362.64	NG	48.32	49.08	0.76	NA	NA	NA	3314.21	
MW-1	04/10/07	3362.64	NG	48.06	49.06	1.00	Hand Bailed	1.00	4.00	3314.43	
MW-1	04/10/07	3362.64	NG	50.72	50.76	0.04	NA	NA	NA	3311.91	No Sock
MW-1	04/18/07	3362.64	NG	48.10	49.58	1.48	Hand Bailed	1.75	8.00	3314.32	
MW-1	04/18/07	3362.64	NG	50.68	50.76	0.08	NA	NA	NA	3311.95	No Sock
MW-1	04/24/07	3362.64	NG	48.10	49.64	1.54	Hand Bailed	1.75	8.00	3314.31	
MW-1	04/24/07	3362.64	NG	50.60	50.68	0.08	NA	NA	NA	3312.03	No Sock

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-1	05/03/07	3362.64	NG	48.04	48.84	0.80	Hand Bailed	1.00	7.00	3314.48	
MW-1	05/03/07	3362.64	NG	53.03	53.05	0.02	NA	NA	NA	3309.61	No Sock
MW-1	05/11/07	3362.64	NG	48.13	48.66	0.53	Hand Bailed	0.50	6.00	3314.43	
MW-1	05/11/07	3362.64	NG	53.08	53.10	0.02	NA	NA	NA	3309.56	No Sock
MW-1	05/16/07	3362.64	NG	48.13	48.61	0.48	Hand Bailed	0.50	7.00	3314.44	
MW-1	05/16/07	3362.64	NG	ND	53.02	ND	NA	NA	NA	3309.62	No Sock
MW-1	05/23/07	3362.64	NG	48.00	48.23	0.23	Hand Bailed	0.25	7.00	3314.61	
MW-1	05/23/07	3362.64	NG	52.85	52.87	0.02	NA	NA	NA	3309.79	Installed Sock
MW-1	05/31/07	3362.64	NG	48.15	48.28	0.13	NA	NA	NA	3314.47	New Sock
MW-1	06/06/07	3362.64	55.67	48.04	48.06	0.02	Hand Bailed	0.10	7.40	3314.60	
MW-1	06/06/07	3362.64	55.67	ND	52.81	ND	NA	NA	NA	3309.83	Sock
MW-1	06/13/07	3362.64	55.67	48.30	48.32	0.02	Hand Bailed	0.10	7.40	3314.34	
MW-1	06/13/07	3362.64	55.67	ND	53.08	ND	NA	NA	NA	3309.56	New Sock
MW-1	06/19/07	3362.64	55.67	ND	48.31	ND	Hand Bailed	0.10	7.90	3314.33	
MW-1	06/19/07	3362.64	55.67	ND	51.76	ND	NA	NA	NA	3310.88	New Sock
MW-1	06/27/07	3362.64	55.67	48.37	48.39	0.02	Hand Bailed	NA	NA	3314.27	
MW-1	06/27/07	3362.64	55.67	ND	51.80	ND	NA	0.10	7.90	3310.84	New Sock
MW-1	07/05/07	3362.64	55.65	48.45	48.81	0.36	Hand Bailed	0.75	6.50	3314.14	
MW-1	07/05/07	3362.64	55.65	ND	53.69	ND	NA	NA	NA	3308.95	New Sock
MW-1	07/11/07	3362.64	55.65	ND	48.45	ND	Hand Bailed	0.10	7.40	3314.19	
MW-1	07/11/07	3362.64	55.65	ND	51.84	ND	NA	NA	NA	3310.80	New Sock
MW-1	07/19/07	3362.64	55.65	49.05	49.25	0.20	Hand Bailed	0.50	6.50	3313.56	
MW-1	07/19/07	3362.64	55.65	ND	52.56	ND	NA	NA	NA	3310.08	New Sock
MW-1	07/24/07	3362.64	55.65	ND	49.07	ND	Hand Bailed	5.00	7.50	3313.57	
MW-1	07/24/07	3362.64	55.65	ND	52.50	ND	NA	NA	NA	3310.14	Removed Sock
MW-1	07/31/07	3362.64	55.68	ND	49.12	ND	Hand Bailed	0.10	7.40	3313.52	
MW-1	07/31/07	3362.64	55.68	ND	52.63	ND	NA	NA	NA	3310.01	Installed Sock
MW-1	08/09/07	3362.64	55.68	ND	48.96	ND	Hand Bailed	0.10	7.40	3313.68	
MW-1	08/09/07	3362.64	55.68	ND	52.61	ND	NA	NA	NA	3310.03	New Sock
MW-1	08/16/07	3362.64	55.68	ND	48.94	ND	Hand Bailed	0.10	7.40	3313.70	
MW-1	08/16/07	3362.64	55.68	ND	52.48	ND	NA	NA	NA	3310.16	New Sock
MW-1	08/22/07	3362.64	55.68	ND	48.85	ND	Hand Bailed	0.10	7.40	3313.79	
MW-1	08/22/07	3362.64	55.68	ND	52.38	ND	NA	NA	NA	3310.26	New Sock
MW-1	08/28/07	3362.64	55.68	49.08	49.12	0.04	Hand Bailed	0.10	7.40	3313.55	
MW-1	08/28/07	3362.64	55.68	ND	52.98	ND	NA	NA	NA	3309.66	New Sock
MW-1	09/07/07	3362.64	55.68	ND	49.16	ND	NA	NA	NA	3313.48	
MW-1	09/13/07	3362.64	55.68	48.80	49.14	0.34	Hand Bailed	5.00	7.50	3313.79	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-1	09/13/07	3362.64	55.68	52.75	52.76	0.01	NA	NA	NA	3309.89	New Sock
MW-1	09/18/07	3362.64	55.68	48.76	48.80	0.04	Hand Bailed	0.10	7.50	3313.87	
MW-1	09/18/07	3362.64	55.68	ND	52.68	ND	NA	NA	NA	3309.96	New Sock
MW-1	09/26/07	3362.64	55.68	ND	48.90	ND	Hand Bailed	0.10	7.40	3313.74	
MW-1	09/26/07	3362.64	55.68	ND	52.70	ND	NA	NA	NA	3309.94	New Sock
MW-1	10/04/07	3362.64	55.68	ND	48.95	ND	Hand Bailed	0.10	7.40	3313.69	
MW-1	10/04/07	3362.64	55.68	ND	52.62	ND	NA	NA	NA	3310.02	New Sock
MW-1	10/10/07	3362.64	55.69	49.00	49.03	0.03	Hand Bailed	0.10	7.40	3313.64	
MW-1	10/10/07	3362.64	55.69	ND	52.81	ND	NA	NA	NA	3309.83	New Sock
MW-1	10/17/07	3362.64	55.69	ND	49.04	ND	Hand Bailed	0.10	7.40	3313.60	
MW-1	10/17/07	3362.64	55.69	ND	52.79	ND	NA	NA	NA	3309.85	Sock
MW-1	10/24/07	3362.64	55.69	48.76	49.68	0.92	Hand Bailed	1.00	30.00	3313.74	
MW-1	10/24/07	3362.64	55.69	49.38	49.39	0.01	NA	NA	NA	3313.26	New Sock
MW-1	10/31/07	3362.64	55.69	48.65	48.90	0.25	Hand Bailed	1.00	30.00	3313.95	
MW-1	10/31/07	3362.64	55.69	DRY	DRY	DRY	NA	NA	NA	DRY	New Sock
MW-1	11/07/07	3362.64	55.69	48.82	48.95	0.13	Hand Bailed	1.00	30.00	3313.80	
MW-1	11/07/07	3362.64	55.69	DRY	DRY	DRY	NA	NA	NA	DRY	Sock
MW-1	11/20/07	3362.64	55.69	48.60	49.70	1.10	NA	NA	NA	3313.88	Sock
MW-1	11/27/07	3362.64	55.69	48.56	49.69	1.13	Hand Bailed	1.00	8.00	3313.91	
MW-1	11/27/07	3362.64	55.69	DRY	DRY	DRY	NA	NA	NA	DRY	New Sock
MW-1	12/05/07	3362.64	55.69	48.61	49.66	1.05	Hand Bailed	1.00	8.00	3313.87	
MW-1	12/05/07	3362.64	55.69	DRY	DRY	DRY	NA	NA	NA	DRY	Removed Sock
MW-1	12/12/07	3362.64	55.69	48.72	49.60	0.88	Hand Bailed	1.00	8.00	3313.79	
MW-1	12/12/07	3362.64	55.69	DRY	DRY	DRY	NA	NA	NA	DRY	No Sock
MW-1	12/18/07	3362.64	55.69	48.20	48.97	0.77	Hand Bailed	1.00	9.00	3314.32	
MW-1	12/18/07	3362.64	55.69	DRY	DRY	DRY	NA	NA	NA	DRY	No Sock
MW-1	12/28/07	3362.64	55.69	48.00	48.55	0.55	Hand Bailed	0.75	8.00	3314.56	
MW-1	12/28/07	3362.64	55.69	DRY	DRY	DRY	NA	NA	NA	DRY	No Sock
MW-1	01/03/08	3362.64	55.69	48.21	48.61	0.40	Hand Bailed	0.50	8.00	3314.37	
MW-1	01/03/08	3362.64	55.69	ND	53.81	ND	NA	NA	NA	3308.83	No Sock
MW-1	01/09/08	3362.64	55.69	48.05	49.10	1.05	Hand Bailed	0.75	9.00	3314.43	
MW-1	01/09/08	3362.64	55.69	ND	55.18	ND	NA	NA	NA	3307.46	No Sock
MW-1	01/17/08	3362.64	58.55	ND	46.91	ND	Hand Bailed	0.00	10.00	3315.73	
MW-1	01/17/08	3362.64	58.55	ND	46.83	ND	NA	NA	NA	3315.81	New Sock
MW-1	01/23/08	3362.64	55.69	48.22	48.52	0.30		0.75	9.00	3314.38	
MW-1	01/23/08	3362.64	55.69	50.54	50.56	0.02	NA	NA	NA	3312.10	No Sock
MW-1	01/30/08	3362.64	55.69	48.08	48.27	0.19		0.50	19.00	3314.53	

TABLE 2
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Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-1	01/30/08	3362.64	55.69	ND	50.06	ND	NA	NA	NA	3312.58	No Sock
MW-1	02/06/08	3362.64	55.69	48.18	48.40	0.22		0.50	19.00	3314.43	
MW-1	02/06/08	3362.64	55.69	ND	50.75	ND	NA	NA	NA	3311.89	No Sock
MW-1	02/13/08	3362.64	55.69	48.11	48.25	0.14		0.10	14.90	3314.51	
MW-1	02/13/08	3362.64	55.69	ND	50.00	ND	NA	NA	NA	3312.64	No Sock
MW-1	02/19/08	3362.64	55.69	48.15	48.33	0.18		0.10	19.90	3314.46	
MW-1	02/19/08	3362.64	55.69	ND	51.15	ND	NA	NA	NA	3311.49	Installed Sock
MW-1	02/27/08	3362.64	55.69	48.53	48.56	0.03		0.10	19.90	3314.11	
MW-1	02/27/08	3362.64	55.69	ND	49.51	ND	NA	NA	NA	3313.13	Flipped Sock
MW-1	03/04/08	3362.64	55.69	48.50	48.55	0.05		0.25	20.00	3314.13	
MW-1	03/04/08	3362.64	55.69	ND	52.46	ND	NA	NA	NA	3310.18	New Sock
MW-1	03/12/08	3362.64	55.69	48.34	48.38	0.04		1.00	20.00	3314.29	
MW-1	03/12/08	3362.64	55.69	ND	52.00	ND	NA	NA	NA	3310.64	New Sock
MW-1	03/19/08	3362.64	55.69	48.57	48.59	0.02		0.25	19.00	3314.07	
MW-1	03/19/08	3362.64	55.69	ND	52.54	ND	NA	NA	NA	3310.10	New Sock
MW-1	03/26/08	3362.64	55.69	48.46	48.55	0.09	Hand Bailed	0.25	19.00	3314.17	
MW-1	03/26/08	3362.64	55.69	ND	51.60	ND	NA	NA	NA	3311.04	Flipped Sock
MW-1	04/02/08	3362.64	55.69	48.53	48.68	0.15		0.25	19.00	3314.09	
MW-1	04/02/08	3362.64	55.69	ND	50.18	ND	NA	NA	NA	3312.46	New Sock
MW-1	04/09/08	3362.64	55.69	48.32	48.35	0.03		0.25	19.00	3314.32	
MW-1	04/09/08	3362.64	55.69	ND	51.23	ND	NA	NA	NA	3311.41	Flipped Sock
MW-1	04/16/08	3362.64	55.69	48.34	48.37	0.03		0.25	19.00	3314.30	
MW-1	04/16/08	3362.64	55.69	ND	50.96	ND	NA	NA	NA	3311.68	Sock
MW-1	04/24/08	3362.64	55.69	48.38	48.85	0.47	NA	NA	NA	3314.19	
MW-1	04/30/08	3362.64	55.69	48.22	48.75	0.53		0.25	19.00	3314.34	
MW-1	04/30/08	3362.64	55.69	ND	53.98	ND	NA	NA	NA	3308.66	Sock
MW-1	05/07/08	3362.64	55.69	48.25	48.81	0.56		0.50	19.00	3314.31	
MW-1	05/07/08	3362.64	55.69	ND	52.61	ND	NA	NA	NA	3310.03	Sock
MW-1	05/14/08	3362.64	55.69	48.27	48.90	0.63	NA	0.50	19.00	3314.28	
MW-1	05/14/08	3362.64	55.69	ND	52.00	ND	NA	NA	NA	3310.64	New Sock
MW-1	05/20/08	3362.64	55.69	48.80	49.21	0.41		0.50	13.00	3313.78	
MW-1	05/20/08	3362.64	55.69	ND	52.31	ND	NA	NA	NA	3310.33	New Sock
MW-1	05/22/08	3362.64	55.71	ND	49.25	ND		0.00	13.00	3313.39	
MW-1	05/28/08	3362.64	55.71	ND	49.23	ND		0.00	20.00	3313.41	
MW-1	05/28/08	3362.64	55.71	ND	51.62	ND	NA	NA	NA	3311.02	
MW-1	06/04/08	3362.64	55.71	ND	49.27	ND		0.00	20.00	3313.37	
MW-1	06/04/08	3362.64	55.71	ND	51.50	ND	NA	NA	NA	3311.14	New Sock

TABLE 2
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-1	06/11/08	3362.64	55.71	ND	49.30	ND		0.00	20.00	3313.34	
MW-1	06/11/08	3362.64	55.71	ND	51.31	ND	NA	NA	NA	3311.33	New Sock
MW-1	06/18/08	3362.64	55.71	49.35	49.36	0.01	NA	NA	NA	3313.29	New Sock
MW-1	06/18/08	3362.64	55.71	ND	50.89	ND		0.00	20.00	3311.75	
MW-1	06/26/08	3362.64	55.71	ND	49.40	ND		0.00	20.00	3313.24	New Sock
MW-1	06/26/08	3362.64	55.71	ND	50.27	ND	NA	NA	NA	3312.37	
MW-1	07/02/08	3362.64	55.71	ND	49.38	ND		0.00	20.00	3313.26	New Sock
MW-1	07/02/08	3362.64	55.71	ND	50.67	ND	NA	NA	NA	3311.97	
MW-1	07/07/08	3362.64	55.71	ND	49.31	ND		0.00	20.00	3313.33	New Sock
MW-1	07/07/08	3362.64	55.71	ND	53.10	ND	NA	NA	NA	3309.54	
MW-1	07/16/08	3362.64	55.71	ND	49.36	ND		0.00	20.00	3313.28	Flipped Sock
MW-1	07/16/08	3362.64	55.71	ND	52.79	ND	NA	NA	NA	3309.85	
MW-1	07/22/08	3362.64	55.71	ND	49.40	ND		0.00	20.00	3313.24	New Sock
MW-1	07/22/08	3362.64	55.71	ND	51.98	ND	NA	NA	NA	3310.66	
MW-1	07/29/08	3362.64	55.71	ND	49.46	ND		0.00	20.00	3313.18	Sock
MW-1	07/29/08	3362.64	55.71	ND	51.49	ND	NA	NA	NA	3311.15	
MW-1	08/05/08	3362.64	55.71	49.45	49.50	0.05		0.00	20.00	3313.18	New Sock
MW-1	08/05/08	3362.64	55.71	ND	50.46	ND	NA	NA	NA	3312.18	
MW-1	08/13/08	3362.64	55.71	49.48	49.61	0.13		0.00	20.00	3313.14	New Sock
MW-1	08/13/08	3362.64	55.71	ND	51.26	ND	NA	NA	NA	3311.38	
MW-1	08/20/08	3362.64	55.71	49.00	49.10	0.10	NA	NA	NA	3313.63	
MW-1	08/27/08	3362.64	55.71	49.15	49.19	0.04		0.00	20.00	3313.48	New Sock
MW-1	08/27/08	3362.64	55.71	ND	50.03	ND	NA	NA	NA	3312.61	
MW-1	09/02/08	3362.64	55.71	ND	49.22	ND	NA	NA	NA	3313.42	New Sock
MW-1	09/09/08	3362.64	55.71	ND	49.26	ND	NA	NA	NA	3313.38	Sock
MW-1	09/17/08	3362.64	55.71	47.62	49.43	1.81	NA	NA	NA	3314.75	Sock
MW-1	09/17/08	3362.64	55.71	49.40	49.43	0.03		0.50	9.50	3313.24	Pump
MW-1	09/24/08	3362.64	55.71	ND	49.25	ND	NA	NA	NA	3313.39	Flipped Sock
MW-1	10/01/08	3362.64	55.71	ND	49.27	ND	NA	NA	NA	3313.37	Sock
MW-1	10/08/08	3362.64	55.71	49.48	49.51	0.03		0.50	11.50	3313.16	Pump
MW-1	10/08/08	3362.64	55.71	ND	54.98	ND	NA	NA	NA	3307.66	New Sock
MW-1	10/15/08	3362.64	55.71	ND	49.22	ND	NA	0.00	10.00	3313.42	Pump
MW-1	10/15/08	3362.64	55.71	ND	53.60	ND	NA	NA	NA	3309.04	
MW-1	10/22/08	3362.64	55.71	ND	49.09	ND		0.00	20.00	3313.55	Pump
MW-1	10/22/08	3362.64	55.71	ND	49.45	ND	NA	NA	NA	3313.19	Flipped Sock
MW-1	10/29/08	3362.64	55.71	ND	49.50	ND	NA	NA	NA	3313.14	Sock
MW-1	11/05/08	3362.64	55.71	ND	49.35	ND	NA	NA	NA	3313.29	Sock

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-1	11/12/08	3362.64	55.71	49.49	49.62	0.13	NA	NA	NA	3313.13	Sock
MW-1	11/20/08	3362.64	55.71	49.62	49.70	0.08	NA	NA	NA	3313.01	New Sock
MW-1	11/26/08	3362.64	55.71	ND	49.38	ND		0.00	4.00	3313.26	Flipped Sock
MW-1	11/26/08	3362.64	55.71	DRY	DRY	DRY	NA	NA	NA	DRY	
MW-1	12/03/08	3362.64	55.71	ND	49.42	ND	NA	NA	NA	3313.22	New Sock
MW-1	12/10/08	3362.64	55.71	ND	49.22	ND	NA	NA	NA	3313.42	New Sock
MW-1	12/17/08	3362.64	55.71	ND	49.36	ND	NA	NA	NA	3313.28	Flipped Sock
MW-1	12/21/08	3362.64	55.71	ND	49.51	ND	NA	NA	NA	3313.13	Flipped Sock
MW-1	12/31/08	3362.64	55.71	ND	49.37	ND	NA	NA	NA	3313.27	
MW-1	01/07/09	3362.64	55.55	49.10	49.21	0.11	Hand Bailed	0.05	9.95	3313.52	
MW-1	01/07/09	3362.64	55.55	ND	51.56	ND	NA	NA	NA	3311.08	
MW-1	01/15/09	3362.64	55.55	ND	49.33	ND	NA	NA	NA	3313.31	New Sock
MW-1	01/22/09	3362.64	55.55	ND	49.09	ND	NA	NA	NA	3313.55	
MW-1	01/28/09	3362.64	55.55	ND	49.21	ND	NA	NA	NA	3313.43	
MW-1	02/04/09	3362.64	65.63	ND	49.27	ND	NA	NA	NA	3313.37	
MW-1	02/18/09	3362.64	65.63	ND	49.22	ND	Pumped	0.00	20.00	3313.42	New Sock
MW-1	02/18/09	3362.64	65.63	ND	51.62	ND	NA	NA	NA	3311.02	
MW-1	02/25/09	3362.64	65.63	ND	49.14	ND	NA	NA	NA	3313.50	New Sock
MW-1	03/04/09	3362.64	55.60	ND	49.07	ND	NA	NA	NA	3313.57	Flipped Sock
MW-1	03/11/09	3362.64	55.60	ND	49.24	ND	NA	NA	NA	3313.40	New Sock
MW-1	03/18/09	3362.64	55.60	ND	49.13	ND	NA	NA	NA	3313.51	Sock
MW-1	03/25/09	3362.64	55.60	ND	49.10	ND	NA	NA	NA	3313.54	New Sock
MW-1	04/01/09	3362.64	55.60	ND	48.94	ND	NA	NA	NA	3313.70	Flipped Sock
MW-1	04/08/09	3362.64	55.60	ND	49.09	ND	NA	NA	NA	3313.55	
MW-1	04/15/09	3362.64	55.60	ND	49.05	ND	NA	NA	NA	3313.59	
MW-1	04/22/09	3362.64	55.60	ND	49.10	ND	NA	NA	NA	3313.54	
MW-1	05/06/09	3362.64	55.60	ND	49.17	ND	NA	NA	NA	3313.47	
MW-1	05/14/09	3362.64	55.60	ND	49.34	ND	NA	NA	NA	3313.30	
MW-1	05/20/09	3362.64	55.60	ND	49.21	ND	NA	NA	NA	3313.43	
MW-1	05/28/09	3362.64	55.60	ND	49.26	ND	NA	NA	NA	3313.38	
MW-1	06/03/09	3362.64	55.60	ND	49.49	ND	NA	NA	NA	3313.15	
MW-1	06/11/09	3362.64	55.60	ND	49.42	ND	NA	NA	NA	3313.22	
MW-1	06/17/09	3362.64	55.60	ND	49.38	ND	NA	NA	NA	3313.26	
MW-1	06/23/09	3362.64	55.60	ND	49.35	ND	NA	NA	NA	3313.29	
MW-1	07/01/09	3362.64	55.60	ND	48.19	ND	NA	NA	NA	3314.45	New Sock
MW-1	07/07/09	3362.64	55.60	ND	49.18	ND	NA	NA	NA	3313.46	
MW-1	07/15/09	3362.64	55.60	ND	49.20	ND	NA	NA	NA	3313.44	

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-1	07/29/09	3362.64	55.60	ND	49.20	ND	NA	NA	NA	3313.44	
MW-1	07/29/09	3362.64	55.60	ND	53.00	ND		0.00	10.00	3309.64	
MW-1	08/05/09	3362.64	55.60	ND	49.24	ND	NA	NA	NA	3313.40	New Sock
MW-1	08/12/09	3362.64	55.60	ND	49.10	ND	NA	NA	NA	3313.54	Flipped Sock
MW-1	08/19/09	3362.64	55.60	ND	49.00	ND	NA	NA	NA	3313.64	New Sock
MW-1	08/27/09	3362.64	55.60	ND	48.97	ND	NA	NA	NA	3313.67	Flipped Sock
MW-1	09/02/09	3362.64	55.60	ND	48.93	ND	NA	NA	NA	3313.71	
MW-1	09/09/09	3362.64	55.60	ND	49.12	ND	NA	NA	NA	3313.52	
MW-1	09/16/09	3362.64	55.60	ND	48.95	ND	NA	NA	NA	3313.69	
MW-1	09/23/09	3362.64	55.60	ND	49.04	ND	NA	NA	NA	3313.60	
MW-1	09/30/09	3362.64	55.60	ND	48.96	ND		0.00	6.00	3313.68	New Sock, Dry After Recovery
MW-1	09/30/09	3362.64	55.60	ND	53.55	ND	NA	NA	NA	3309.09	
MW-1	10/07/09	3362.64	55.60	ND	49.10	ND	NA	NA	NA	3313.54	
MW-1	10/14/09	3362.64	55.60	ND	48.94	ND	NA	NA	NA	3313.70	Flipped Sock
MW-1	10/21/09	3362.64	55.60	ND	48.83	ND	NA	NA	NA	3313.81	New Sock
MW-1	10/28/09	3362.64	55.60	ND	48.70	ND		0.00	20.00	3313.94	
MW-1	10/28/09	3362.64	55.60	ND	49.72	ND	NA	NA	NA	3312.92	
MW-1	11/04/09	3362.64	55.60	48.91	49.00	0.09		0.10	9.90	3313.72	
MW-1	11/04/09	3362.64	55.60	ND	52.01	ND	NA	NA	NA	3310.63	
MW-1	11/11/09	3362.64	55.60	48.91	48.97	0.06		0.10	9.90	3313.72	
MW-1	11/11/09	3362.64	55.60	ND	52.05	ND	NA	NA	NA	3310.59	
MW-1	11/18/09	3362.64	55.60	48.76	48.81	0.05		0.10	9.90	3313.87	
MW-1	11/18/09	3362.64	55.60	ND	49.43	ND	NA	NA	NA	3313.21	
MW-1	11/25/09	3362.64	55.60	48.91	48.99	0.08		0.10	9.90	3313.72	
MW-1	11/25/09	3362.64	55.60	ND	53.54	ND	NA	NA	NA	3309.10	
MW-1	12/02/09	3362.64	55.60	48.94	49.00	0.06		0.10	9.90	3313.69	
MW-1	12/02/09	3362.64	55.60	ND	51.20	ND	NA	NA	NA	3311.44	
MW-1	12/09/09	3362.64	55.60	48.91	48.96	0.05		0.10	9.90	3313.72	
MW-1	12/09/09	3362.64	55.60	ND	51.18	ND	NA	NA	NA	3311.46	
MW-1	12/16/09	3362.64	55.60	48.87	48.95	0.08		0.10	14.90	3313.76	
MW-1	12/16/09	3362.64	55.60	ND	53.30	ND	NA	NA	NA	3309.34	
MW-1	12/23/09	3362.64	55.60	48.68	48.73	0.05		0.10	9.90	3313.95	
MW-1	12/23/09	3362.64	55.60	ND	51.60	ND	NA	NA	NA	3311.04	
MW-1	12/30/09	3362.64	55.60	48.75	48.84	0.09		0.10	9.90	3313.88	
MW-1	12/30/09	3362.64	55.60	ND	52.61	ND	NA	NA	NA	3310.03	
MW-1	01/06/10	3362.64	55.60	48.62	48.65	0.03		0.10	14.90	3314.02	

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-1	01/06/10	3362.64	55.60	ND	55.30	ND	NA	NA	NA	3307.34	
MW-1	01/13/10	3362.64	55.60	48.70	48.76	0.06		0.10	9.90	3313.93	
MW-1	01/13/10	3362.64	55.60	ND	52.41	ND	NA	NA	NA	3310.23	
MW-1	01/27/10	3362.64	55.60	48.64	48.69	0.05	NA	NA	NA	3313.99	
MW-1	02/17/10	3362.64	55.60	48.58	48.83	0.25	Pumped	0.50	19.50	3314.02	
MW-1	02/17/10	3362.64	55.60	ND	50.81	ND	NA	NA	NA	3311.83	
MW-1	03/02/10	3362.64	55.60	48.58	48.60	0.02	NA	NA	NA	3314.06	
MW-1	03/10/10	3362.64	55.60	48.50	48.55	0.05	Pumped	0.10	4.90	3314.13	
MW-1	03/10/10	3362.64	55.60	ND	51.82	ND	NA	NA	NA	3310.82	
MW-1	03/17/10	3362.64	55.60	48.64	48.67	0.03	NA	NA	NA	3314.00	
MW-1	03/24/10	3362.64	55.60	48.58	48.70	0.12	NA	NA	NA	3314.04	
MW-1	03/31/10	3362.64	55.60	48.51	48.65	0.14	Pumped	0.10	14.90	3314.11	
MW-1	03/31/10	3362.64	55.60	ND	55.12	ND	NA	NA	NA	3307.52	
MW-1	04/07/10	3362.64	55.60	48.63	48.73	0.10	NA	NA	NA	3314.00	
MW-1	04/14/10	3362.64	55.60	48.55	48.62	0.07	NA	NA	NA	3314.08	
MW-1	04/21/10	3362.64	55.60	48.42	48.50	0.08	NA	NA	NA	3314.21	
MW-1	04/28/10	3362.64	55.60	48.55	48.72	0.17	NA	NA	NA	3314.06	
MW-1	04/28/10	3362.64	55.60	ND	53.55	ND	Hand Bailed	0.10	7.40	3309.09	Bailed Dry
MW-1	05/05/10	3362.64	55.60	48.55	48.64	0.09	NA	NA	NA	3314.08	
MW-1	05/05/10	3362.64	55.60	ND	52.70	ND	Hand Bailed	0.10	7.90	3309.94	Bailed Dry
MW-1	05/11/10	3362.64	55.60	48.53	48.58	0.05	Pumped	0.10	14.90	3314.10	
MW-1	05/11/10	3362.64	55.60	ND	51.57	ND	NA	NA	NA	3311.07	
MW-1	05/19/10	3362.64	55.60	48.56	48.57	0.01	NA	NA	NA	3314.08	
MW-1	05/29/10	3362.64	55.60	48.60	48.69	0.09	Pumped	<0.25	10.00	3314.03	
MW-1	05/29/10	3362.64	55.60	ND	54.60	ND	NA	NA	NA	3308.04	
MW-1	06/01/10	3362.64	55.60	48.55	48.56	0.01	NA	NA	NA	3314.09	Sampled
MW-1	06/12/10	3362.64	55.60	48.62	48.65	0.03	NA	NA	NA	3314.02	
MW-1	06/15/10	3362.64	55.60	48.58	48.71	0.13	Pumped	<0.25	10.00	3314.04	
MW-1	06/15/10	3362.64	55.60	ND	52.82	ND	NA	NA	NA	3309.82	
MW-1	06/25/10	3362.64	55.60	48.63	48.67	0.04	NA	NA	NA	3314.00	
MW-1	06/30/10	3362.64	55.60	48.65	48.73	0.08	NA	NA	NA	3313.98	
MW-1	07/07/10	3362.64	55.60	48.64	48.75	0.11	NA	NA	NA	3313.98	
MW-1	07/14/10	3362.64	55.60	48.60	48.71	0.11	NA	NA	NA	3314.02	
MW-1	07/21/10	3362.64	55.60	48.63	48.82	0.19	NA	NA	NA	3313.98	
MW-1	07/28/10	3362.64	55.60	48.62	48.86	0.24	NA	NA	NA	3313.98	
MW-1	08/03/10	3362.64	55.60	48.61	48.83	0.22	NA	NA	NA	3314.00	
MW-1	08/11/10	3362.64	55.60	48.59	48.89	0.30	NA	NA	NA	3314.01	

TABLE 2
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Plains Marketing, L.P.
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-1	08/18/10	3362.64	55.60	48.62	48.96	0.34	Pumped	0.10	14.90	3313.97	
MW-1	08/18/10	3362.64	55.60	ND	55.48	ND	NA	NA	NA	3307.16	
MW-1	08/25/10	3362.64	55.60	48.70	48.76	0.06	NA	NA	NA	3313.93	
MW-1	09/01/10	3362.64	55.60	48.55	48.60	0.05	NA	NA	NA	3314.08	
MW-1	09/08/10	3362.64	55.60	48.57	48.67	0.10	Pumped	0.10	14.90	3314.06	
MW-1	09/08/10	3362.64	55.60	ND	55.56	ND	NA	NA	NA	3307.08	
MW-1	09/15/10	3362.64	55.60	48.55	48.56	0.01	Pumped	0.10	4.90	3314.09	
MW-1	09/15/10	3362.64	55.60	ND	49.95	ND	NA	NA	NA	3312.69	
MW-1	09/21/10	3362.64	55.60	48.48	48.50	0.02	NA	NA	NA	3314.16	
MW-1	10/01/10	3362.64	55.60	48.53	48.57	0.04	NA	NA	NA	3314.10	
MW-1	10/06/10	3362.64	55.60	48.51	48.52	0.01	NA	NA	NA	3314.13	
MW-1	10/13/10	3362.64	55.60	48.57	48.63	0.06	Pumped	0.10	9.90	3314.06	
MW-1	10/13/10	3362.64	55.60	ND	50.41	ND	NA	NA	NA	3312.23	
MW-1	10/22/10	3362.64	55.60	48.38	48.40	0.02	NA	NA	NA	3314.26	
MW-1	10/27/10	3362.64	55.60	48.38	48.40	0.02	NA	NA	NA	3314.26	
MW-1	11/03/10	3362.64	55.60	48.44	48.45	0.01	NA	NA	NA	3314.20	
MW-1	11/10/10	3362.64	55.60	48.22	48.23	0.01	Pumped	0.10	14.90	3314.42	
MW-1	11/10/10	3362.64	55.60	ND	51.95	ND	NA	NA	NA	3310.69	
MW-1	11/16/10	3362.64	55.60	48.30	48.31	0.01	NA	NA	NA	3314.34	
MW-1	11/24/10	3362.64	55.60	48.25	48.26	0.01	NA	NA	NA	3314.39	
MW-1	12/01/10	3362.64	55.60	48.18	48.19	0.01	Pumped	0.10	7.90	3314.46	Pumped Dry
MW-1	12/01/10	3362.64	55.60	ND	50.82	ND	NA	NA	NA	3311.82	
MW-1	12/08/10	3362.64	55.60	48.25	48.26	0.01	NA	NA	NA	3314.39	
MW-1	12/15/10	3362.64	55.60	48.06	48.07	0.01	NA	NA	NA	3314.58	
MW-1	12/21/10	3362.64	55.60	48.18	48.19	0.01	NA	NA	NA	3314.46	
MW-1	01/08/11	3362.64	55.60	48.09	48.10	0.01	NA	NA	NA	3314.55	
MW-1	01/12/11	3362.64	55.60	48.15	48.16	0.01	Handbail	0.10	4.90	3314.49	
MW-1	01/12/11	3362.64	55.60	ND	51.53	ND	NA	NA	NA	3311.11	
MW-1	01/19/11	3362.64	55.60	48.03	48.04	0.01	NA	NA	NA	3314.61	
MW-1	01/25/11	3362.64	55.60	48.04	48.05	0.01	NA	NA	NA	3314.60	
MW-1	02/04/11	3362.64	55.60	Sheen	48.04	Sheen	NA	NA	NA	3314.60	
MW-1	02/08/11	3362.64	55.60	47.95	47.96	0.01	NA	NA	NA	3314.69	
MW-1	02/16/11	3362.64	55.60	47.98	47.99	0.01	Pumped	0.10	9.90	3314.66	
MW-1	02/16/11	3362.64	55.60	ND	53.46	ND	NA	NA	NA	3309.18	
MW-1	02/23/11	3362.64	55.60	47.98	47.99	0.01	Hand Bailed	0.10	9.90	3314.66	
MW-1	02/23/11	3362.64	55.60	ND	52.58	ND	NA	NA	NA	3310.06	
MW-1	03/02/11	3362.64	55.60	48.02	48.03	0.01	Hand Bailed	0.00	8.00	3314.62	

TABLE 2
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Plains Marketing, L.P.
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-1	03/02/11	3362.64	55.60	ND	52.18	ND	NA	NA	NA	3310.46	
MW-1	03/08/11	3362.64	55.60	Sheen	48.00	Sheen	NA	NA	NA	3314.64	
MW-1	03/16/11	3362.64	55.60	47.99	48.00	0.01	Hand Bailed	0.10	4.90	3314.65	
MW-1	03/16/11	3362.64	55.60	ND	51.01	ND	NA	NA	NA	3311.63	
MW-1	03/23/11	3362.64	55.60	48.02	48.03	0.01	NA	NA	NA	3314.62	
MW-1	03/30/11	3362.64	55.60	47.94	47.95	0.01	NA	NA	NA	3314.70	
MW-1	04/08/11	3362.64	55.60	47.93	47.94	0.01	NA	NA	NA	3314.71	
MW-1	04/13/11	3362.64	55.60	47.93	47.94	0.01	NA	NA	NA	3314.71	
MW-1	04/20/11	3362.64	55.60	ND	47.91	ND	NA	NA	NA	3314.73	
MW-1	04/27/11	3362.64	55.60	48.05	48.06	0.01	NA	NA	NA	3314.59	
MW-1	05/04/11	3362.64	55.60	Sheen	47.95	Sheen	NA	NA	NA	3314.69	
MW-1	05/11/11	3362.64	55.60	47.99	48.00	0.01	NA	NA	NA	3314.65	
MW-1	05/19/11	3362.64	55.60	Heavy Sheen	47.91	Heavy Sheen	NA	NA	NA	3314.73	
MW-1	05/24/11	3362.64	55.60	Heavy Sheen	47.94	Heavy Sheen		0.10	9.90	3314.70	
MW-1	05/24/11	3362.64	55.60	ND	52.75	ND	NA	NA	NA	3309.89	
MW-1	06/02/11	3362.64	55.60	48.13	48.14	0.01	NA	NA	NA	3314.51	
MW-1	06/08/11	3362.64	55.60	48.15	48.16	0.01	NA	NA	NA	3314.49	
MW-1	06/17/11	3362.64	55.60	48.10	48.11	0.01		0.10	9.90	3314.54	
MW-1	06/17/11	3362.64	55.60	ND	53.38	ND	NA	NA	NA	3309.26	
MW-1	06/21/11	3362.64	55.60	48.08	48.09	0.01		0.10	0.00	3314.56	
MW-1	06/29/11	3362.64	55.60	48.23	48.24	0.01		0.10	0.00	3314.41	
MW-1	07/06/11	3362.64	55.60	48.26	48.28	0.02		0.10	4.90	3314.38	
MW-1	07/06/11	3362.64	55.60	ND	51.77	ND	NA	NA	NA	3310.87	
MW-1	07/13/11	3362.64	55.60	48.24	48.25	0.01	NA	NA	NA	3314.40	
MW-1	07/21/11	3362.64	55.60	48.27	48.28	0.01	NA	NA	NA	3314.37	
MW-1	07/27/11	3362.64	55.60	48.29	48.31	0.02	Hand Bailed	0.10	9.90	3314.35	
MW-1	07/27/11	3362.64	55.60	ND	53.85	ND	NA	NA	NA	3308.79	
MW-1	08/03/11	3362.64	55.60	Sheen	48.31	Sheen	NA	NA	NA	3314.33	
MW-1	08/11/11	3362.64	55.60	48.36	48.37	0.01	NA	NA	NA	3314.28	
MW-1	08/17/11	3362.64	55.60	48.34	48.35	0.01	NA	NA	NA	3314.30	
MW-1	08/24/11	3362.64	55.60	48.42	48.43	0.01	NA	NA	NA	3314.22	
MW-1	08/30/11	3362.64	55.60	48.35	48.36	0.01	NA	NA	NA	3314.29	
MW-1	09/07/11	3362.64	55.60	48.49	48.50	0.01		0.10	4.90	3314.15	
MW-1	09/07/11	3362.64	55.60	ND	51.45	ND	NA	NA	NA	3311.19	
MW-1	09/14/11	3362.64	55.60	48.46	48.47	0.01	NA	NA	NA	3314.18	
MW-1	09/21/11	3362.64	55.60	48.50	48.51	0.01	NA	NA	NA	3314.14	
MW-1	09/28/11	3362.64	55.60	47.49	47.50	0.01		0.10	4.90	3315.15	

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-1	09/28/11	3362.64	55.60	ND	52.11	ND	NA	NA	NA	3310.53	
MW-1	10/05/11	3362.64	55.60	ND	48.43	ND	NA	NA	NA	3314.21	
MW-1	10/12/11	3362.64	55.60	Sheen	48.49	Sheen	NA	NA	NA	3314.15	
MW-1	10/18/11	3362.64	55.60	48.59	48.60	0.01	NA	NA	NA	3314.05	
MW-1	10/28/11	3362.64	55.60	48.63	48.64	0.01	NA	NA	NA	3314.01	
MW-1	11/02/11	3362.64	55.60	48.50	48.51	0.01	NA	NA	NA	3314.14	
MW-1	11/09/11	3362.64	55.60	48.66	48.67	0.01	Hand Bailed	0.10	4.90	3313.98	
MW-1	11/09/11	3362.64	55.60	ND	51.85	ND	NA	NA	NA	3310.79	
MW-1	11/18/11	3362.64	55.60	48.46	48.47	0.01	NA	NA	NA	3314.18	
MW-1	11/23/11	3362.64	55.60	48.58	48.59	0.01	NA	NA	NA	3314.06	
MW-1	11/29/11	3362.64	55.60	48.57	48.58	0.01	NA	NA	NA	3314.07	
MW-1	12/13/11	3362.64	55.60	48.45	48.47	0.02	NA	NA	NA	3314.19	
MW-1	12/20/11	3362.64	55.60	48.52	48.53	0.01	NA	NA	NA	3314.12	
MW-1	12/27/11	3362.64	55.60	48.54	48.55	0.01	NA	NA	NA	3314.10	
MW-1	01/04/12	3362.64	55.60	48.56	48.57	0.01	NA	0.10	4.90	3314.08	
MW-1	01/13/12	3362.64	55.60	48.50	48.51	0.01	Hand Bailed	0.10	4.90	3314.14	
MW-1	01/13/12	3362.64	55.60	ND	51.52	ND	NA	NA	NA	3311.12	
MW-1	01/18/12	3362.64	55.60	48.49	48.50	0.01	NA	NA	NA	3314.15	
MW-1	01/27/12	3362.64	55.60	48.41	48.42	0.01	NA	NA	NA	3314.23	
MW-1	02/02/12	3362.64	55.60	48.37	48.38	0.01		0.10	4.90	3314.27	
MW-1	02/02/12	3362.64	55.60	ND	51.23	ND	NA	NA	NA	3311.41	
MW-1	02/08/12	3362.64	55.60	48.51	48.52	0.01	NA	NA	NA	3314.13	
MW-1	02/15/12	3362.64	55.60	48.42	48.43	0.01	NA	NA	NA	3314.22	
MW-1	02/23/12	3362.64	55.60	48.29	48.30	0.01	NA	NA	NA	3314.35	
MW-1	02/29/12	3362.64	55.60	48.44	48.46	0.02		0.10	4.90	3314.20	
MW-1	02/29/12	3362.64	55.60	ND	50.75	ND	NA	NA	NA	3311.89	
MW-1	03/06/12	3362.64	55.60	48.36	48.37	0.01	NA	NA	NA	3314.28	
MW-1	03/14/12	3362.64	55.60	48.45	48.46	0.01	NA	NA	NA	3314.19	
MW-1	03/21/12	3362.64	55.60	48.30	48.31	0.01	NA	NA	NA	3314.34	
MW-1	03/29/12	3362.64	55.60	48.36	48.44	0.08	NA	NA	NA	3314.27	
MW-1	04/03/12	3362.64	55.60	48.43	48.45	0.02	NA	NA	NA	3314.21	
MW-1	04/11/12	3362.64	55.60	48.40	48.41	0.01	NA	NA	NA	3314.24	
MW-1	04/20/12	3362.64	55.60	48.48	48.50	0.02	NA	NA	NA	3314.16	
MW-1	04/26/12	3362.64	55.60	47.38	47.39	0.01	NA	NA	NA	3315.26	
MW-1	05/02/12	3362.64	55.60	48.41	48.49	0.08	NA	NA	NA	3314.22	
MW-1	05/09/12	3362.64	55.60	48.56	48.59	0.03		0.00	5.00	3314.08	
MW-1	05/09/12	3362.64	55.60	ND	52.00	ND	NA	NA	NA	3310.64	

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-1	05/16/12	3362.64	55.60	48.60	48.62	0.02	NA	NA	NA	3314.04	
MW-1	05/23/12	3362.64	55.60	48.72	48.75	0.03	NA	NA	NA	3313.92	
MW-1	05/29/12	3362.64	55.60	49.02	49.04	0.02	NA	NA	NA	3313.62	
MW-1	06/06/12	3362.64	55.60	48.57	48.58	0.01	NA	NA	NA	3314.07	
MW-1	06/13/12	3362.64	55.60	48.42	48.49	0.07	NA	NA	NA	3314.21	
MW-1	06/19/12	3362.64	55.60	49.51	49.68	0.17		0.10	4.90	3313.10	
MW-1	06/19/12	3362.64	55.60	ND	58.50	ND	NA	NA	NA	3304.14	
MW-1	06/27/12	3362.64	55.60	49.72	49.73	0.01	NA	NA	NA	3312.92	
MW-1	07/05/12	3362.64	55.60	49.93	49.95	0.02	NA	NA	NA	3312.71	
MW-1	07/11/12	3362.64	55.60	50.03	50.09	0.06	NA	NA	NA	3312.60	
MW-1	07/18/12	3362.64	55.60	50.18	50.24	0.06	NA	NA	NA	3312.45	
MW-1	07/25/12	3362.64	55.60	50.23	50.31	0.08	NA	NA	10.00	3312.40	
MW-1	07/25/12	3362.64	55.60	ND	52.16	ND	NA	NA	NA	3310.48	
MW-1	07/31/12	3362.64	55.60	50.41	50.51	0.10	NA	0.10	10.00	3312.22	
MW-1	07/31/12	3362.64	55.60	ND	52.20	ND	NA	NA	NA	3310.44	
MW-1	08/08/12	3362.64	55.60	50.46	50.57	0.11	NA	NA	NA	3312.16	
MW-1	08/13/12	3362.64	55.60	50.41	50.48	0.07	NA	NA	NA	3312.22	
MW-1	08/13/12	3362.64	55.60	50.41	50.48	0.07	NA	NA	NA	3312.22	
MW-1	08/20/12	3362.64	55.60	50.38	50.48	0.10	NA	NA	NA	3312.25	
MW-1	09/05/12	3362.64	55.60	50.42	50.54	0.12	NA	NA	NA	3312.20	
MW-1	09/12/12	3362.64	55.60	ND	50.30	ND	NA	NA	NA	3312.34	
MW-1	09/19/12	3362.64	55.60	50.27	50.32	0.05	NA	NA	NA	3312.36	
MW-1	09/25/12	3362.64	55.60	50.19	50.28	0.09	NA	NA	NA	3312.44	
MW-1	10/02/12	3362.64	55.60	50.24	50.31	0.07	NA	NA	NA	3312.39	
MW-1	10/10/12	3362.64	55.60	50.28	50.32	0.04	NA	NA	NA	3312.35	
MW-1	10/16/12	3362.64	55.60	50.07	50.14	0.07	NA	NA	NA	3312.56	
MW-1	10/24/12	3362.64	55.60	50.10	50.21	0.11	NA	NA	NA	3312.52	
MW-1	10/30/12	3362.64	55.60	50.18	50.27	0.09	NA	NA	NA	3312.45	
MW-1	11/06/12	3362.64	55.60	50.22	50.35	0.13	NA	NA	NA	3312.40	
MW-1	11/13/12	3362.64	55.60	50.30	50.45	0.15	NA	NA	NA	3312.32	
MW-1	11/19/12	3362.64	NG	NG	NG	NG	NG	NG	NG	NG	
MW-1	12/05/12	3362.64	55.60	50.31	50.46	0.15	NA	NA	NA	3312.31	
MW-1	12/11/12	3362.64	55.60	50.36	50.50	0.14	NA	NA	NA	3312.26	
MW-1	01/03/13	3362.64	55.60	50.55	50.85	0.30	NA	NA	NA	3312.05	
MW-1	01/16/13	3362.64	55.60	50.55	50.85	0.30	NA	NA	NA	3312.05	
MW-1	01/23/13	3362.64	55.60	50.53	50.80	0.27	NA	NA	NA	3312.07	
MW-1	01/30/13	3362.64	55.60	50.60	50.91	0.31	NA	0.10	10.00	3311.99	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-1	01/30/13	3362.64	55.60	ND	53.55	ND	NA	NA	NA	3309.09	
MW-1	02/07/13	3362.64	55.60	50.50	50.51	0.01	NA	NA	NA	3312.14	
MW-1	02/13/13	3362.64	55.60	50.45	50.51	0.06	NA	NA	NA	3312.18	
MW-1	02/28/13	3362.64	55.60	50.40	50.48	0.08	NA	NA	NA	3312.23	Sampled
MW-1	03/20/13	3362.64	55.60	50.10	50.20	0.10	NA	NA	NA	3312.53	
MW-1	03/29/13	3362.64	55.60	50.42	50.68	0.26	NA	NA	NA	3312.18	
MW-1	04/03/13	3362.64	55.60	50.50	50.75	0.25	NA	NA	NA	3312.10	
MW-1	04/09/13	3362.64	50.60	50.60	50.85	0.25	NA	NA	NA	3312.00	
MW-1	05/01/13	3362.64	50.60	51.00	51.03	0.03	NA	NA	NA	3311.64	
MW-1	05/15/13	3362.64	50.60	50.07	50.28	0.21	NA	NA	NA	3312.54	
MW-1	05/21/13	3362.64	50.60	51.25	51.27	0.02	NA	NA	NA	3311.39	
MW-1	06/04/13	3362.64	50.60	51.16	51.55	0.39	NA	1.00	9.00	3311.42	
MW-1	06/04/13	3362.64	50.60	ND	54.83	ND	NA	NA	NA	3307.81	
MW-1	06/12/13	3362.64	50.60	51.25	51.32	0.07	NA	NA	NA	3311.38	
MW-1	06/17/13	3362.64	50.60	51.21	51.38	0.17	NA	0.10	10.00	3311.40	
MW-1	06/26/13	3362.64	50.60	51.20	51.41	0.21	NA	NA	NA	3311.41	
MW-1	07/03/13	3362.64	50.60	51.25	51.54	0.29	NA	NA	NA	3311.35	
MW-1	07/10/13	3362.64	50.60	51.32	51.68	0.36	NA	NA	NA	3311.27	
MW-1	07/23/13	3362.64	50.60	51.16	51.65	0.49	NA	0.50	9.75	3311.41	
MW-1	07/30/13	3362.64	50.60	51.20	51.37	0.17	NA	NA	NA	3311.41	
MW-1	08/07/13	3362.64	50.60	51.22	51.39	0.17	NA	NA	NA	3311.39	
MW-1	08/14/13	3362.64	50.60	51.18	51.48	0.30	NA	0.25	9.25	3311.42	
MW-1	08/21/13	3362.64	50.60	51.27	51.75	0.48	NA	NA	NA	3311.30	
MW-1	08/28/13	3362.64	50.60	51.31	51.84	0.53	NA	0.50	9.50	3311.25	
MW-1	09/06/13	3362.64	50.60	51.35	51.62	0.27	NA	NA	NA	3311.25	
MW-1	09/10/13	3362.64	50.60	51.29	51.63	0.34	NA	NA	NA	3311.30	
MW-1	09/21/13	3362.64	50.60	51.26	51.50	0.24	NA	NA	NA	3311.34	
MW-1	09/28/13	3362.64	50.60	51.36	51.70	0.34	NA	NA	NA	3311.23	
MW-1	10/02/13	3362.64	50.60	51.32	51.75	0.43	NA	0.25	9.25	3311.26	
MW-1	10/11/13	3362.64	50.60	51.40	52.00	0.60	NA	0.50	4.50	3311.15	
MW-1	10/16/13	3362.64	50.60	51.42	51.43	0.01	NA	NA	NA	3311.22	
MW-1	10/30/13	3362.64	50.60	51.45	52.38	0.93	NA	0.50	14.50	3311.05	
MW-1	11/07/13	3362.64	50.60	51.30	51.52	0.22	NA	NA	NA	3311.31	
MW-1	11/13/13	3362.64	50.60	51.52	51.98	0.46	NA	0.50	4.50	3311.05	
MW-1	11/20/13	3362.64	50.60	ND	51.80	ND	NA	NA	NA	3310.84	
MW-1	11/27/13	3362.64	50.60	51.65	52.13	0.48	NA	NA	NA	3310.92	
MW-1	12/11/13	3362.64	50.60	51.74	52.64	0.90	NA	NA	NA	3310.77	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-1	12/17/13	3362.64	50.60	51.79	52.15	0.36	NA	NA	NA	3310.80	
MW-2	09/14/05	3367.00	NG	NA	43.42	NA	NA	NA	NA	3323.58	
MW-2	09/20/05	3367.00	58.30	NA	45.76	NA	NA	NA	NA	3321.24	
MW-2	09/21/05	3367.00	NG	NA	45.74	NA	NA	NA	NA	3321.26	
MW-2	10/05/05	3367.00	NG	NA	45.68	NA	NA	NA	NA	3321.32	
MW-2	10/27/05	3367.00	NG	NA	45.74	NA	NA	NA	NA	3321.26	
MW-2	11/10/05	3367.00	NG	NA	45.74	NA	NA	NA	NA	3321.26	
MW-2	12/21/05	3367.00	56.25	NA	45.64	NA	NA	NA	NA	3321.36	
MW-2	12/29/05	3367.00	NG	NA	45.46	NA	NA	NA	NA	3321.54	
MW-2	01/05/06	3367.00	NG	NA	45.76	NA	NA	NA	NA	3321.24	
MW-2	02/09/06	3367.00	NG	NA	45.58	NA	NA	NA	NA	3321.42	
MW-2	02/22/06	3367.00	NG	NA	45.48	NA	NA	NA	NA	3321.52	
MW-2	03/28/06	3367.00	56.38	NA	45.68	NA	NA	NA	NA	3321.32	Sampled
MW-2	04/13/06	3367.00	NG	NA	45.77	NA	NA	NA	NA	3321.23	
MW-2	04/25/06	3367.00	NG	NA	45.83	NA	NA	NA	NA	3321.17	
MW-2	05/11/06	3367.00	NG	NA	45.83	NA	NA	NA	NA	3321.17	
MW-2	05/24/06	3367.00	NG	NA	45.95	NA	NA	NA	NA	3321.05	
MW-2	06/07/06	3367.00	NG	NA	46.04	NA	NA	NA	NA	3320.96	
MW-2	06/15/06	3367.00	NG	NA	45.95	NA	NA	NA	NA	3321.05	Sampled
MW-2	06/29/06	3367.00	NG	NA	46.23	NA	NA	NA	NA	3320.77	
MW-2	07/11/06	3367.00	NG	NA	46.22	NA	NA	NA	NA	3320.78	
MW-2	07/25/06	3367.00	NG	NA	46.32	NA	NA	NA	NA	3320.68	
MW-2	08/09/06	3367.00	55.93	NA	46.37	NA	NA	NA	NA	3320.63	
MW-2	08/22/06	3367.00	NG	NA	46.48	NA	NA	NA	NA	3320.52	
MW-2	09/12/06	3367.00	56.00	NA	46.42	NA	NA	NA	NA	3320.58	Sampled
MW-2	09/19/06	3367.00	NG	NA	46.35	NA	NA	NA	NA	3320.65	
MW-2	10/03/06	3367.00	NG	NA	46.30	NA	NA	NA	NA	3320.70	
MW-2	10/17/06	3367.00	NG	NA	46.25	NA	NA	NA	NA	3320.75	
MW-2	11/15/06	3367.00	NG	NA	46.30	NA	NA	NA	NA	3320.70	
MW-2	12/06/06	3367.00	55.82	NA	46.15	NA	NA	NA	NA	3320.85	Sampled
MW-2	12/13/06	3367.00	NG	NA	46.21	NA	NA	NA	NA	3320.79	
MW-2	12/27/06	3367.00	NG	NA	46.44	NA	NA	NA	NA	3320.56	
MW-2	01/03/07	3367.00	NG	NA	46.02	NA	NA	NA	NA	3320.98	
MW-2	01/09/07	3367.00	NG	NA	46.17	NA	NA	NA	NA	3320.83	
MW-2	01/18/07	3367.00	NG	NA	45.99	NA	NA	NA	NA	3321.01	
MW-2	01/25/07	3367.00	NG	NA	45.92	NA	NA	NA	NA	3321.08	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-2	01/31/07	3367.00	NG	NA	45.73	NA	NA	NA	NA	3321.27	
MW-2	02/07/07	3367.00	NG	NA	45.89	NA	NA	NA	NA	3321.11	
MW-2	02/14/07	3367.00	NG	NA	45.93	NA	NA	NA	NA	3321.07	
MW-2	02/28/07	3367.00	55.70	NA	45.68	NA	NA	NA	NA	3321.32	Sampled
MW-2	03/07/07	3367.00	NG	NA	45.95	NA	NA	NA	NA	3321.05	
MW-2	04/04/07	3367.00	NG	NA	46.02	NA	NA	NA	NA	3320.98	
MW-2	05/03/07	3367.00	NG	NA	45.80	NA	NA	NA	NA	3321.20	
MW-2	05/30/07	3367.00	55.67	NA	45.73	NA	NA	NA	NA	3321.27	Sampled
MW-2	06/06/07	3367.00	55.66	NA	45.68	NA	NA	NA	NA	3321.32	
MW-2	07/05/07	3367.00	55.63	NA	45.32	NA	NA	NA	NA	3321.68	
MW-2	07/31/07	3367.00	55.65	NA	45.37	NA	NA	NA	NA	3321.63	
MW-2	09/07/07	3367.00	55.65	NA	46.07	NA	NA	NA	NA	3320.93	Sampled
MW-2	10/10/07	3367.00	55.65	NA	46.08	NA	NA	NA	NA	3320.92	
MW-2	11/13/07	3367.00	55.73	NA	46.01	NA	NA	NA	NA	3320.99	Sampled
MW-2	12/05/07	3367.00	55.73	NA	45.96	NA	NA	NA	NA	3321.04	
MW-2	01/09/08	3367.00	55.83	NA	45.89	NA	NA	NA	NA	3321.11	
MW-2	02/06/08	3367.00	55.83	NA	45.90	NA	NA	NA	NA	3321.10	
MW-2	02/27/08	3367.00	55.84	NA	45.95	NA	NA	NA	NA	3321.05	Sampled
MW-2	04/02/08	3367.00	55.60	NA	45.90	NA	NA	NA	NA	3321.10	
MW-2	05/20/08	3367.00	55.60	NA	46.17	NA	NA	NA	NA	3320.83	Sampled
MW-2	06/04/08	3367.00	55.60	NA	46.20	NA	NA	NA	NA	3320.80	
MW-2	06/18/08	3367.00	55.60	NA	46.24	NA	NA	NA	NA	3320.76	
MW-2	07/07/08	3367.00	55.60	NA	46.30	NA	NA	NA	NA	3320.70	
MW-2	08/18/08	3367.00	56.32	NA	46.56	NA	NA	NA	NA	3320.44	Sampled
MW-2	10/15/08	3367.00	56.32	NA	46.68	NA	NA	NA	NA	3320.32	
MW-2	11/20/08	3367.00	56.31	NA	46.84	NA	NA	NA	NA	3320.16	Sampled
MW-2	12/21/08	3367.00	56.31	NA	46.88	NA	NA	NA	NA	3320.12	
MW-2	01/07/09	3367.00	56.28	NA	46.71	NA	NA	NA	NA	3320.29	
MW-2	02/04/09	3367.00	56.28	NA	46.86	NA	NA	NA	NA	3320.14	
MW-2	02/18/09	3367.00	56.50	NA	46.83	NA	NA	NA	NA	3320.17	Sampled
MW-2	03/04/09	3367.00	56.51	NA	46.68	NA	NA	NA	NA	3320.32	
MW-2	04/08/09	3367.00	56.51	NA	46.58	NA	NA	NA	NA	3320.42	
MW-2	05/06/09	3367.00	56.51	NA	46.65	NA	NA	NA	NA	3320.35	
MW-2	05/20/09	3367.00	56.51	NA	46.83	NA	NA	NA	NA	3320.17	Sampled
MW-2	06/03/09	3367.00	56.51	NA	46.85	NA	NA	NA	NA	3320.15	
MW-2	07/15/09	3367.00	56.51	NA	46.66	NA	NA	NA	NA	3320.34	
MW-2	08/05/09	3367.00	56.51	NA	46.59	NA	NA	NA	NA	3320.41	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-2	08/27/09	3367.00	56.30	NA	46.55	NA		0.00	5.00	3320.45	Sampled
MW-2	09/02/09	3367.00	56.30	NA	46.58	NA	NA	NA	NA	3320.42	
MW-2	10/07/09	3367.00	56.30	NA	46.52	NA	NA	NA	NA	3320.48	
MW-2	11/04/09	3367.00	56.30	NA	46.63	NA	NA	NA	NA	3320.37	
MW-2	11/18/09	3367.00	56.30	NA	46.48	NA	NA	NA	NA	3320.52	Sampled
MW-2	12/02/09	3367.00	56.30	NA	46.56	NA	NA	NA	NA	3320.44	
MW-2	01/06/10	3367.00	56.30	NA	46.33	NA	NA	NA	NA	3320.67	
MW-2	02/09/10	3367.00	56.30	NA	46.42	NA	NA	NA	NA	3320.58	Sampled
MW-2	03/10/10	3367.00	56.30	NA	46.13	NA	NA	NA	NA	3320.87	
MW-2	04/07/10	3367.00	56.30	NA	46.27	NA	NA	NA	NA	3320.73	
MW-2	05/05/10	3367.00	56.30	NA	46.22	NA	NA	NA	NA	3320.78	
MW-2	05/11/10	3367.00	56.30	NA	46.20	NA	NA	NA	NA	3320.80	Sampled
MW-2	06/02/10	3367.00	56.30	NA	46.21	NA	NA	NA	NA	3320.79	
MW-2	07/07/10	3367.00	56.30	NA	46.32	NA	NA	NA	NA	3320.68	
MW-2	08/03/10	3367.00	56.30	NA	46.25	NA	NA	NA	NA	3320.75	
MW-2	08/26/10	3367.00	56.30	NA	46.23	NA	NA	NA	NA	3320.77	Sampled
MW-2	09/01/10	3367.00	56.30	NA	46.18	NA	NA	NA	NA	3320.82	
MW-2	10/13/10	3367.00	56.30	NA	46.26	NA	NA	NA	NA	3320.74	
MW-2	11/18/10	3367.00	56.30	NA	46.07	NA	NA	NA	NA	3320.93	Sampled
MW-2	11/24/10	3367.00	56.30	NA	46.03	NA	NA	NA	NA	3320.97	
MW-2	12/08/10	3367.00	56.30	NA	46.03	NA	NA	NA	NA	3320.97	
MW-2	01/12/11	3367.00	56.30	NA	45.94	NA	NA	NA	NA	3321.06	
MW-2	02/08/11	3367.00	56.30	NA	45.70	NA	NA	NA	NA	3321.30	
MW-2	02/23/11	3367.00	56.30	NA	45.74	NA	NA	NA	NA	3321.26	Sampled
MW-2	03/08/11	3367.00	56.30	NA	45.75	NA	NA	NA	NA	3321.25	
MW-2	04/13/11	3367.00	56.30	NA	45.74	NA	NA	NA	NA	3321.26	
MW-2	06/02/11	3367.00	56.30	NA	45.89	NA	NA	NA	NA	3321.11	Sampled
MW-2	07/27/11	3367.00	56.30	NA	46.00	NA	NA	NA	NA	3321.00	
MW-2	08/30/11	3367.00	56.30	NA	46.06	NA	NA	NA	NA	3320.94	Sampled
MW-2	09/14/11	3367.00	56.30	NA	46.18	NA	NA	NA	NA	3320.82	
MW-2	10/12/11	3367.00	56.30	NA	46.23	NA	NA	NA	NA	3320.77	
MW-2	11/29/11	3367.00	56.30	NA	46.32	NA	NA	NA	NA	3320.68	Sampled
MW-2	12/27/11	3367.00	56.30	NA	46.20	NA	NA	NA	NA	3320.80	
MW-2	01/18/12	3367.00	56.30	NA	46.16	NA	NA	NA	NA	3320.84	
MW-2	02/02/12	3367.00	56.30	ND	46.01	ND	NA	NA	NA	3320.99	
MW-2	02/15/12	3367.00	56.30	ND	46.11	ND	NA	NA	NA	3320.89	
MW-2	02/23/12	3367.00	56.30	ND	45.95	ND	NA	NA	NA	3321.05	

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Vacuum to Jal 14" Mainline #3
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Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-2	04/20/12	3367.00	56.30	ND	46.13	ND	NA	NA	NA	3320.87	
MW-2	05/23/12	3367.00	56.30	ND	46.35	ND	NA	NA	NA	3320.65	
MW-2	06/12/13	3367.00	56.30	ND	48.79	ND	NA	NA	NA	3318.21	
MW-2	07/18/12	3367.00	56.30	ND	47.73	ND	NA	NA	NA	3319.27	
MW-2	09/12/12	3367.00	56.30	ND	47.93	ND	NA	NA	NA	3319.07	
MW-2	10/16/12	3367.00	56.30	ND	47.74	ND	NA	NA	NA	3319.26	
MW-2	11/19/12	3367.00	56.36	ND	47.91	ND	NA	NA	NA	3319.09	
MW-2	02/28/13	3367.00	56.36	ND	48.06	ND	NA	NA	NA	3318.94	
MW-2	06/12/13	3367.00	56.36	ND	48.79	ND	NA	NA	NA	3318.21	
MW-2	08/14/13	3367.00	56.36	ND	48.90	ND	NA	NA	NA	3318.10	
MW-2	09/10/13	3367.00	56.36	ND	48.91	ND	NA	NA	NA	3318.09	
MW-2	11/07/13	3367.00	56.36	ND	49.16	ND	NA	NA	NA	3317.84	
MW-2	12/11/13	3367.00	56.30	ND	49.35	ND	NA	NA	NA	3317.65	
MW-3	09/14/05	3369.10	NG	NA	43.84	NA	NA	NA	NA	3325.26	
MW-3	09/20/05	3369.1	58.42	NA	47.58	NA	NA	NA	NA	3321.52	
MW-3	09/21/05	3369.1	NG	NA	47.52	NA	NA	NA	NA	3321.58	
MW-3	10/05/05	3369.1	NG	NA	47.50	NA	NA	NA	NA	3321.60	
MW-3	10/27/05	3369.1	NG	NA	47.55	NA	NA	NA	NA	3321.55	
MW-3	11/10/05	3369.1	NG	NA	47.55	NA	NA	NA	NA	3321.55	
MW-3	12/21/05	3369.1	55.90	NA	47.43	NA	NA	NA	NA	3321.67	
MW-3	12/29/05	3369.1	NG	NA	47.23	NA	NA	NA	NA	3321.87	
MW-3	01/05/06	3369.1	NG	NA	47.50	NA	NA	NA	NA	3321.60	
MW-3	02/09/06	3369.1	NG	NA	47.33	NA	NA	NA	NA	3321.77	
MW-3	02/22/06	3369.1	NG	NA	47.24	NA	NA	NA	NA	3321.86	
MW-3	02/28/06	3369.1	55.95	NA	47.41	NA	NA	NA	NA	3321.69	
MW-3	04/13/06	3369.1	NG	NA	47.53	NA	NA	NA	NA	3321.57	
MW-3	04/25/06	3369.1	NG	NA	47.64	NA	NA	NA	NA	3321.46	
MW-3	05/11/06	3369.1	NG	NA	47.69	NA	NA	NA	NA	3321.41	
MW-3	05/24/06	3369.1	NG	NA	47.72	NA	NA	NA	NA	3321.38	
MW-3	06/07/06	3369.1	NG	NA	47.83	NA	NA	NA	NA	3321.27	
MW-3	06/15/06	3369.1	NG	NA	47.76	NA	NA	NA	NA	3321.34	Sampled
MW-3	06/29/06	3369.1	NG	NA	48.02	NA	NA	NA	NA	3321.08	
MW-3	07/11/06	3369.1	NG	NA	48.02	NA	NA	NA	NA	3321.08	
MW-3	07/25/06	3369.1	NG	NA	48.11	NA	NA	NA	NA	3320.99	
MW-3	08/09/06	3369.1	55.67	NA	48.17	NA	NA	NA	NA	3320.93	
MW-3	08/22/06	3369.1	NG	NA	48.28	NA	NA	NA	NA	3320.82	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-3	09/12/06	3369.1	55.58	NA	48.46	NA	NA	NA	NA	3320.64	Sampled
MW-3	09/19/06	3369.1	NG	NA	48.20	NA	NA	NA	NA	3320.90	
MW-3	10/03/06	3369.1	NG	NA	48.16	NA	NA	NA	NA	3320.94	
MW-3	10/17/06	3369.1	NG	NA	48.07	NA	NA	NA	NA	3321.03	
MW-3	10/31/06	3369.1	NG	NA	48.11	NA	NA	NA	NA	3320.99	
MW-3	11/15/06	3369.1	NG	NA	48.09	NA	NA	NA	NA	3321.01	
MW-3	12/06/06	3369.1	55.52	NA	47.94	NA	NA	NA	NA	3321.16	Sampled
MW-3	12/13/06	3369.1	NG	NA	47.98	NA	NA	NA	NA	3321.12	
MW-3	12/27/06	3369.1	NG	NA	47.75	NA	NA	NA	NA	3321.35	
MW-3	01/03/07	3369.1	NG	NA	47.83	NA	NA	NA	NA	3321.27	
MW-3	01/09/07	3369.1	NG	NA	47.96	NA	NA	NA	NA	3321.14	
MW-3	01/18/07	3369.1	NG	NA	47.78	NA	NA	NA	NA	3321.32	
MW-3	01/25/07	3369.1	NG	NA	47.71	NA	NA	NA	NA	3321.39	
MW-3	01/31/07	3369.1	NG	NA	47.52	NA	NA	NA	NA	3321.58	
MW-3	02/07/07	3369.1	NG	NA	47.66	NA	NA	NA	NA	3321.44	
MW-3	02/14/07	3369.1	NG	NA	47.70	NA	NA	NA	NA	3321.40	
MW-3	02/28/07	3369.1	55.48	NA	47.49	NA	NA	NA	NA	3321.61	Sampled
MW-3	03/07/07	3369.1	NG	NA	47.74	NA	NA	NA	NA	3321.36	
MW-3	04/04/07	3369.1	NG	NA	47.82	NA	NA	NA	NA	3321.28	
MW-3	05/03/07	3369.1	NG	NA	47.56	NA	NA	NA	NA	3321.54	
MW-3	05/30/07	3369.1	55.22	NA	47.49	NA	NA	NA	NA	3321.61	Sampled
MW-3	06/06/07	3369.1	55.22	NA	47.56	NA	NA	NA	NA	3321.54	
MW-3	07/05/07	3369.1	55.32	NA	47.63	NA	NA	NA	NA	3321.47	
MW-3	07/31/07	3369.1	55.34	NA	47.68	NA	NA	NA	NA	3321.42	
MW-3	09/07/07	3369.1	55.34	NA	47.92	NA	NA	NA	NA	3321.18	Sampled
MW-3	10/10/07	3369.1	55.32	NA	47.83	NA	NA	NA	NA	3321.27	
MW-3	11/13/07	3369.1	55.32	NA	47.78	NA	NA	NA	NA	3321.32	Sampled
MW-3	12/05/07	3369.1	55.32	NA	47.74	NA	NA	NA	NA	3321.36	
MW-3	01/09/08	3369.1	55.25	NA	47.63	NA	NA	NA	NA	3321.47	
MW-3	02/06/08	3369.1	55.25	NA	47.63	NA	NA	NA	NA	3321.47	
MW-3	02/27/08	3369.1	55.18	NA	47.63	NA	NA	NA	NA	3321.47	Sampled
MW-3	04/02/08	3369.1	55.20	NA	47.62	NA	NA	NA	NA	3321.48	
MW-3	05/20/08	3369.1	55.20	NA	47.92	NA	NA	NA	NA	3321.18	Sampled
MW-3	06/04/08	3369.1	55.20	NA	47.95	NA	NA	NA	NA	3321.15	Sampled
MW-3	06/18/08	3369.1	55.20	NA	48.00	NA	NA	NA	NA	3321.10	
MW-3	07/07/08	3369.1	55.20	NA	48.02	NA	NA	NA	NA	3321.08	
MW-3	08/18/08	3369.1	55.35	NA	48.29	NA	NA	NA	NA	3320.81	Sampled

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-3	10/15/08	3369.1	55.35	NA	48.41	NA	NA	NA	NA	3320.69	
MW-3	11/20/08	3369.1	55.33	NA	48.60	NA	NA	NA	NA	3320.50	Sampled
MW-3	12/21/08	3369.1	55.33	NA	48.65	NA	NA	NA	NA	3320.45	
MW-3	01/07/09	3369.1	55.28	NA	48.49	NA	NA	NA	NA	3320.61	
MW-3	02/04/09	3369.1	55.27	NA	48.64	NA	NA	NA	NA	3320.46	
MW-3	02/18/09	3369.1	55.28	NA	48.59	NA	NA	NA	NA	3320.51	Sampled
MW-3	03/04/09	3369.1	55.24	NA	48.47	NA	NA	NA	NA	3320.63	
MW-3	04/08/09	3369.1	55.24	NA	48.31	NA	NA	NA	NA	3320.79	
MW-3	05/06/09	3369.1	55.24	NA	48.38	NA	NA	NA	NA	3320.72	
MW-3	05/20/09	3369.1	55.24	NA	48.59	NA	NA	NA	NA	3320.51	Sampled
MW-3	06/03/09	3369.1	55.24	NA	48.55	NA	NA	NA	NA	3320.55	
MW-3	07/15/09	3369.1	55.24	NA	48.33	NA	NA	NA	NA	3320.77	
MW-3	08/05/09	3369.1	55.24	NA	48.26	NA	NA	NA	NA	3320.84	
MW-3	08/27/09	3369.1	56.18	NA	48.21	NA		0.00	4.00	3320.89	Sampled
MW-3	09/02/09	3369.1	56.18	NA	48.23	NA	NA	NA	NA	3320.87	
MW-3	10/07/09	3369.1	56.18	NA	48.14	NA	NA	NA	NA	3320.96	
MW-3	11/04/09	3369.1	56.18	NA	48.30	NA	NA	NA	NA	3320.80	
MW-3	11/18/09	3369.1	56.18	NA	48.14	NA	NA	NA	NA	3320.96	Sampled
MW-3	12/02/09	3369.1	56.18	NA	48.25	NA	NA	NA	NA	3320.85	
MW-3	01/06/10	3369.1	56.18	NA	47.99	NA	NA	NA	NA	3321.11	
MW-3	02/09/10	3369.1	56.18	NA	48.06	NA	NA	NA	NA	3321.04	Sampled
MW-3	03/10/10	3369.1	56.18	NA	47.85	NA	NA	NA	NA	3321.25	
MW-3	04/07/10	3369.1	56.18	NA	48.00	NA	NA	NA	NA	3321.10	
MW-3	05/05/10	3369.1	56.18	NA	47.95	NA	NA	NA	NA	3321.15	
MW-3	05/11/10	3369.1	56.18	NA	47.92	NA	NA	NA	NA	3321.18	Sampled
MW-3	06/02/10	3369.1	56.18	NA	47.90	NA	NA	NA	NA	3321.20	
MW-3	07/07/10	3369.1	56.18	NA	47.90	NA	NA	NA	NA	3321.20	
MW-3	08/03/10	3369.1	56.18	NA	47.96	NA	NA	NA	NA	3321.14	
MW-3	08/26/10	3369.1	56.18	NA	47.97	NA	NA	NA	NA	3321.13	Sampled
MW-3	09/01/10	3369.1	56.18	NA	47.90	NA	NA	NA	NA	3321.20	
MW-3	10/13/10	3369.1	56.18	NA	47.90	NA	NA	NA	NA	3321.20	
MW-3	11/18/10	3369.1	56.18	NA	47.75	NA	NA	NA	NA	3321.35	Sampled
MW-3	11/24/10	3369.1	56.18	NA	47.67	NA	NA	NA	NA	3321.43	
MW-3	12/08/10	3369.1	56.18	NA	47.68	NA	NA	NA	NA	3321.42	
MW-3	01/12/11	3369.1	56.18	NA	47.58	NA	NA	NA	NA	3321.52	
MW-3	02/08/11	3369.1	56.18	NA	47.39	NA	NA	NA	NA	3321.71	
MW-3	02/23/11	3369.1	56.18	NA	47.41	NA	NA	NA	NA	3321.69	Sampled

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-3	03/08/11	3369.1	56.18	NA	47.41	NA	NA	NA	NA	3321.69	
MW-3	04/13/11	3369.1	56.18	NA	47.38	NA	NA	NA	NA	3321.72	
MW-3	06/02/11	3369.1	56.18	NA	47.51	NA	NA	NA	NA	3321.59	Sampled
MW-3	07/27/11	3369.1	56.18	NA	47.66	NA	NA	NA	NA	3321.44	
MW-3	08/30/11	3369.1	56.18	NA	47.73	NA	NA	NA	NA	3321.37	Sampled
MW-3	09/14/11	3369.1	56.18	NA	47.82	NA	NA	NA	NA	3321.28	
MW-3	10/12/11	3369.1	56.18	NA	47.86	NA	NA	NA	NA	3321.24	
MW-3	11/29/11	3369.1	56.18	NA	47.94	NA	NA	NA	NA	3321.16	Sampled
MW-3	12/27/11	3369.1	56.18	NA	47.88	NA	NA	NA	NA	3321.22	
MW-3	01/18/12	3369.1	56.18	NA	47.83	NA	NA	NA	NA	3321.27	
MW-3	02/02/12	3369.1	56.18	NA	47.72	NA	NA	NA	NA	3321.38	
MW-3	02/15/12	3369.1	56.18	NA	47.77	NA	NA	NA	NA	3321.33	
MW-3	02/23/12	3369.1	56.18	NA	47.64	NA	NA	NA	NA	3321.46	
MW-3	04/20/12	3369.1	56.18	NA	47.79	NA	NA	NA	NA	3321.31	
MW-3	05/23/12	3369.1	56.18	ND	48.11	ND	NA	NA	NA	3320.99	
MW-3	07/18/12	3369.1	56.18	ND	49.64	ND	NA	NA	NA	3319.46	
MW-3	09/12/12	3369.1	56.18	ND	49.75	ND	NA	NA	NA	3319.35	
MW-3	10/16/12	3369.1	56.18	ND	49.54	ND	NA	NA	NA	3319.56	
MW-3	11/19/12	3369.1	55.00	ND	49.72	ND	NA	NA	NA	3319.38	
MW-3	02/28/13	3369.1	55.00	ND	49..84	ND	NA	NA	NA	49..84	Sampled
MW-3	06/12/13	3369.1	55.00	50.64	50.97	0.33	NA	NA	NA	3318.41	Sampled
MW-3	06/17/13	3369.1	55.00	50.65	50.69	0.04	NA	NA	10.00	3318.44	Heavy Sheen
MW-3	06/26/13	3369.1	55.00	50.61	50.88	0.27	NA	0.25	9.75	3318.45	
MW-3	06/26/13	3369.1	55.00	ND	51.65	ND	NA	NA	NA	3317.45	
MW-3	07/03/13	3369.1	55.00	50.70	51.05	0.35	NA	NA	NA	3318.35	
MW-3	07/10/13	3369.1	55.00	50.73	51.14	0.41	NA	0.25	4.75	3318.31	
MW-3	07/23/13	3369.1	55.00	50.66	50.68	0.02	NA	NA	NA	3318.44	
MW-3	07/30/13	3369.1	55.00	50.65	50.69	0.04	NA	NA	NA	3318.44	
MW-3	08/07/13	3369.1	55.00	50.68	50.70	0.02	NA	NA	NA	3318.42	
MW-3	08/14/13	3369.1	55.00	50.75	50.77	0.02	NA	NA	NA	3318.35	
MW-3	08/21/13	3369.1	55.00	50.77	50.90	0.13	NA	NA	NA	3318.31	
MW-3	08/28/13	3369.1	55.00	50.80	50.93	0.13	NA	0.25	4.75	3318.28	
MW-3	09/06/13	3369.1	55.00	50.77	50.78	0.01	NA	NA	NA	3318.33	
MW-3	09/10/13	3369.1	55.00	50.75	50.83	0.08	NA	NA	NA	3318.34	
MW-3	09/21/13	3369.1	55.00	50.13	50.75	0.62	NA	NA	NA	3318.88	
MW-3	09/28/13	3369.1	55.00	50.77	50.83	0.06	NA	NA	NA	3318.32	
MW-3	10/02/13	3369.1	55.00	50.80	50.90	0.10	NA	NA	NA	3318.29	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-3	10/11/13	3369.1	55.00	50.88	51.00	0.12	NA	NA	NA	3318.20	
MW-3	10/16/13	3369.1	55.00	50.89	50.90	0.01	NA	NA	NA	3318.21	
MW-3	10/30/13	3369.1	55.00	51.00	51.12	0.12	NA	NA	NA	3318.08	
MW-3	11/07/13	3369.1	55.00	50.66	50.72	0.06	NA	NA	NA	3318.43	
MW-3	11/27/13	3369.1	55.00	51.14	51.22	0.08	NA	NA	NA	3317.95	
MW-3	12/11/13	3369.1	55.00	51.26	51.42	0.16	NA	NA	NA	3317.82	
MW-3	12/17/13	3369.1	55.00	51.26	51.30	0.04	NA	NA	NA	3317.83	
MW-4	12/21/05	3365.12	59.50	NA	43.93	NA	NA	NA	NA	3321.19	
MW-4	12/29/05	3365.12	NG	NA	43.76	NA	NA	NA	NA	3321.36	
MW-4	01/05/06	3365.12	NG	NA	44.02	NA	NA	NA	NA	3321.10	
MW-4	02/09/06	3365.12	NG	NA	43.82	NA	NA	NA	NA	3321.30	
MW-4	02/22/06	3365.12	NG	NA	43.80	NA	NA	NA	NA	3321.32	
MW-4	03/28/06	3365.12	59.43	NA	43.91	NA	NA	NA	NA	3321.21	Sampled
MW-4	04/13/06	3365.12	NG	NA	44.02	NA	NA	NA	NA	3321.10	
MW-4	04/25/06	3365.12	NG	NA	44.13	NA	NA	NA	NA	3320.99	
MW-4	05/11/06	3365.12	NG	NA	44.20	NA	NA	NA	NA	3320.92	
MW-4	05/24/06	3365.12	NG	NA	44.21	NA	NA	NA	NA	3320.91	
MW-4	06/07/06	3365.12	NG	NA	44.35	NA	NA	NA	NA	3320.77	
MW-4	06/15/06	3365.12	NG	NA	44.23	NA	NA	NA	NA	3320.89	Sampled
MW-4	06/29/06	3365.12	NG	NA	44.48	NA	NA	NA	NA	3320.64	
MW-4	07/11/06	3365.12	NG	NA	44.49	NA	NA	NA	NA	3320.63	
MW-4	07/25/06	3365.12	NG	NA	44.53	NA	NA	NA	NA	3320.59	
MW-4	08/09/06	3365.12	59.50	NA	44.66	NA	NA	NA	NA	3320.46	
MW-4	08/22/06	3365.12	NG	NA	44.75	NA	NA	NA	NA	3320.37	
MW-4	09/12/06	3365.12	59.46	NA	44.66	NA	NA	NA	NA	3320.46	Sampled
MW-4	09/19/06	3365.12	NG	NA	44.60	NA	NA	NA	NA	3320.52	
MW-4	10/03/06	3365.12	NG	NA	44.55	NA	NA	NA	NA	3320.57	
MW-4	10/17/06	3365.12	NG	NA	44.48	NA	NA	NA	NA	3320.64	
MW-4	10/31/06	3365.12	NG	NA	44.53	NA	NA	NA	NA	3320.59	
MW-4	11/15/06	3365.12	NG	NA	44.53	NA	NA	NA	NA	3320.59	
MW-4	12/06/06	3365.12	59.42	NA	44.32	NA	NA	NA	NA	3320.80	Sampled
MW-4	12/13/06	3365.12	NG	NA	44.37	NA	NA	NA	NA	3320.75	
MW-4	12/27/06	3365.12	NG	NA	44.18	NA	NA	NA	NA	3320.94	
MW-4	01/03/07	3365.12	NG	NA	44.27	NA	NA	NA	NA	3320.85	
MW-4	01/09/07	3365.12	NG	NA	44.43	NA	NA	NA	NA	3320.69	
MW-4	01/18/07	3365.12	NG	NA	44.23	NA	NA	NA	NA	3320.89	

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Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
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Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-4	01/25/07	3365.12	NG	NA	44.18	NA	NA	NA	NA	3320.94	
MW-4	01/31/07	3365.12	NG	NA	44.00	NA	NA	NA	NA	3321.12	
MW-4	02/07/07	3365.12	NG	NA	44.14	NA	NA	NA	NA	3320.98	
MW-4	02/14/07	3365.12	NG	NA	44.19	NA	NA	NA	NA	3320.93	
MW-4	02/28/07	3365.12	59.40	NA	43.92	NA	NA	NA	NA	3321.20	Sampled
MW-4	03/07/07	3365.12	NG	NA	43.64	NA	NA	NA	NA	3321.48	
MW-4	04/04/07	3365.12	NG	NA	44.23	NA	NA	NA	NA	3320.89	
MW-4	05/03/07	3365.12	NG	NA	44.06	NA	NA	NA	NA	3321.06	
MW-4	05/30/07	3365.12	59.50	NA	44.00	NA	NA	NA	NA	3321.12	Sampled
MW-4	06/06/07	3365.12	59.50	NA	43.85	NA	NA	NA	NA	3321.27	
MW-4	07/05/07	3365.12	59.47	NA	44.06	NA	NA	NA	NA	3321.06	
MW-4	07/31/07	3365.12	59.47	NA	44.10	NA	NA	NA	NA	3321.02	
MW-4	09/07/07	3365.12	59.47	NA	44.35	NA	NA	NA	NA	3320.77	Sampled
MW-4	10/10/07	3365.12	59.47	NA	44.83	NA	NA	NA	NA	3320.29	
MW-4	11/13/07	3365.12	59.36	NA	44.29	NA	NA	NA	NA	3320.83	Sampled
MW-4	12/05/07	3365.12	59.36	NA	44.24	NA	NA	NA	NA	3320.88	
MW-4	01/09/08	3365.12	59.46	NA	44.17	NA	NA	NA	NA	3320.95	
MW-4	02/06/08	3365.12	59.46	NA	44.16	NA	NA	NA	NA	3320.96	
MW-4	02/27/08	3365.12	59.47	NA	44.18	NA	NA	NA	NA	3320.94	Sampled
MW-4	04/02/08	3365.12	59.40	NA	44.15	NA	NA	NA	NA	3320.97	
MW-4	05/20/08	3365.12	59.40	NA	44.44	NA	NA	NA	NA	3320.68	Sampled
MW-4	06/18/08	3365.12	59.40	NA	44.51	NA	NA	NA	NA	3320.61	
MW-4	07/07/08	3365.12	59.40	NA	44.60	NA	NA	NA	NA	3320.52	
MW-4	08/18/08	3365.12	59.35	NA	44.80	NA	NA	NA	NA	3320.32	Sampled
MW-4	10/15/08	3365.12	59.35	NA	44.93	NA	NA	NA	NA	3320.19	
MW-4	11/20/08	3365.12	59.44	NA	45.08	NA	NA	NA	NA	3320.04	Sampled
MW-4	12/21/08	3365.12	59.44	NA	45.12	NA	NA	NA	NA	3320.00	
MW-4	01/07/09	3365.12	59.44	NA	44.94	NA	NA	NA	NA	3320.18	
MW-4	02/04/09	3365.12	59.43	NA	45.08	NA	NA	NA	NA	3320.04	
MW-4	02/18/09	3365.12	59.38	NA	45.00	NA	NA	NA	NA	3320.12	Sampled
MW-4	03/04/09	3365.12	59.21	NA	44.93	NA	NA	NA	NA	3320.19	
MW-4	04/08/09	3365.12	59.21	NA	44.79	NA	NA	NA	NA	3320.33	
MW-4	05/06/09	3365.12	59.21	NA	44.88	NA	NA	NA	NA	3320.24	
MW-4	05/20/09	3365.12	59.21	NA	45.06	NA	NA	NA	NA	3320.06	Sampled
MW-4	06/03/09	3365.12	59.21	NA	45.08	NA	NA	NA	NA	3320.04	
MW-4	07/15/09	3365.12	59.21	NA	44.93	NA	NA	NA	NA	3320.19	
MW-4	08/05/09	3365.12	59.21	NA	44.84	NA	NA	NA	NA	3320.28	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-4	08/27/09	3365.12	59.40	NA	44.81	NA		0.00	29.00	3320.31	Sampled
MW-4	09/02/09	3365.12	59.40	NA	44.83	NA	NA	NA	NA	3320.29	
MW-4	10/07/09	3365.12	59.40	NA	44.78	NA	NA	NA	NA	3320.34	
MW-4	11/04/09	3365.12	59.40	NA	44.89	NA	NA	NA	NA	3320.23	
MW-4	11/18/09	3365.12	59.40	NA	44.73	NA	NA	NA	NA	3320.39	Sampled
MW-4	12/02/09	3365.12	59.40	NA	44.84	NA	NA	NA	NA	3320.28	
MW-4	01/06/10	3365.12	59.40	NA	44.57	NA	NA	NA	NA	3320.55	
MW-4	02/09/10	3365.12	59.40	NA	44.63	NA	NA	NA	NA	3320.49	Sampled
MW-4	03/10/10	3365.12	59.40	NA	44.36	NA	NA	NA	NA	3320.76	
MW-4	04/07/10	3365.12	59.40	NA	44.50	NA	NA	NA	NA	3320.62	
MW-4	05/05/10	3365.12	59.40	NA	44.46	NA	NA	NA	NA	3320.66	
MW-4	05/11/10	3365.12	59.40	NA	44.45	NA	NA	NA	NA	3320.67	Sampled
MW-4	06/02/10	3365.12	59.40	NA	44.43	NA	NA	NA	NA	3320.69	
MW-4	07/07/10	3365.12	59.40	NA	44.55	NA	NA	NA	NA	3320.57	
MW-4	08/03/10	3365.12	59.40	NA	44.52	NA	NA	NA	NA	3320.60	
MW-4	08/26/10	3365.12	59.40	NA	44.52	NA	NA	NA	NA	3320.60	Sampled
MW-4	09/01/10	3365.12	59.40	NA	44.43	NA	NA	NA	NA	3320.69	
MW-4	10/13/10	3365.12	59.40	NA	44.51	NA	NA	NA	NA	3320.61	
MW-4	11/18/10	3365.12	59.40	NA	44.36	NA	NA	NA	NA	3320.76	Sampled
MW-4	11/24/10	3365.12	59.40	NA	44.29	NA	NA	NA	NA	3320.83	
MW-4	12/08/10	3365.12	59.40	NA	44.28	NA	NA	NA	NA	3320.84	
MW-4	01/12/11	3365.12	59.40	NA	44.20	NA	NA	NA	NA	3320.92	
MW-4	02/08/11	3365.12	59.40	NA	43.97	NA	NA	NA	NA	3321.15	
MW-4	02/23/11	3365.12	59.40	NA	44.00	NA	NA	NA	NA	3321.12	Sampled
MW-4	03/08/11	3365.12	59.40	NA	44.05	NA	NA	NA	NA	3321.07	
MW-4	04/13/11	3365.12	59.40	NA	43.99	NA	NA	NA	NA	3321.13	
MW-4	06/01/11	3365.12	59.40	NA	44.11	NA	NA	NA	NA	3321.01	
MW-4	06/02/11	3365.12	59.40	NA	44.14	NA	NA	NA	NA	3320.98	Sampled
MW-4	07/27/11	3365.12	59.40	NA	44.30	NA	NA	NA	NA	3320.82	
MW-4	08/30/11	3365.12	59.40	NA	44.35	NA	NA	NA	NA	3320.77	Sampled
MW-4	09/14/11	3365.12	59.40	NA	44.48	NA	NA	NA	NA	3320.64	
MW-4	10/12/11	3365.12	59.40	NA	44.44	NA	NA	NA	NA	3320.68	
MW-4	11/29/11	3365.12	59.40	NA	44.57	NA	NA	NA	NA	3320.55	Sampled
MW-4	12/27/11	3365.12	59.40	NA	44.49	NA	NA	NA	NA	3320.63	
MW-4	01/18/12	3365.12	59.40	NA	44.39	NA	NA	NA	NA	3320.73	
MW-4	02/02/12	3365.12	59.40	NA	44.28	NA	NA	NA	NA	3320.84	
MW-4	02/15/12	3365.12	59.40	NA	44.40	NA	NA	NA	NA	3320.72	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-4	02/23/12	3365.12	59.40	NA	44.24	NA	NA	NA	NA	3320.88	
MW-4	04/20/12	3365.12	59.40	NA	44.40	NA	NA	NA	NA	3320.72	
MW-4	05/23/12	3365.12	59.40	NA	44.58	NA	NA	NA	NA	3320.54	
MW-4	07/18/12	3365.12	59.40	NA	45.92	NA	NA	NA	NA	3319.20	
MW-4	09/12/12	3365.12	59.40	ND	46.11	ND	NA	NA	NA	3319.01	
MW-4	10/16/12	3365.12	59.40	ND	45.94	ND	NA	NA	NA	3319.18	
MW-4	11/19/12	3365.12	59.50	ND	45.69	ND	NA	NA	NA	3319.43	
MW-4	02/28/13	3365.12	59.50	ND	46.26	ND	NA	NA	NA	3318.86	Sampled
MW-4	06/12/13	3365.12	59.50	ND	46.96	ND	NA	NA	NA	3318.16	Sampled
MW-4	08/14/13	3365.12	59.50	ND	47.04	ND	NA	NA	NA	3318.08	
MW-4	09/10/13	3365.12	59.50	ND	47.09	ND	NA	NA	NA	3318.03	
MW-4	11/07/13	3365.12	59.50	ND	47.38	ND	NA	NA	NA	3317.74	
MW-4	12/11/13	3365.12	59.50	ND	47.52	ND	NA	NA	NA	3317.60	
MW-5	12/21/05	3364.74	53.88	NA	43.25	NA	NA	NA	NA	3321.49	
MW-5	12/29/05	3364.74	NG	NA	43.05	NA	NA	NA	NA	3321.69	
MW-5	01/05/06	3364.74	NG	NA	43.36	NA	NA	NA	NA	3321.38	
MW-5	02/08/06	3364.74	NG	NA	43.13	NA	NA	NA	NA	3321.61	
MW-5	02/22/06	3364.74	NG	NA	43.12	NA	NA	NA	NA	3321.62	
MW-5	03/28/06	3364.74	53.60	NA	43.25	NA	NA	NA	NA	3321.49	Sampled
MW-5	04/13/06	3364.74	NG	NA	43.40	NA	NA	NA	NA	3321.34	
MW-5	04/25/06	3364.74	NG	NA	43.50	NA	NA	NA	NA	3321.24	
MW-5	05/11/06	3364.74	NG	NA	43.58	NA	NA	NA	NA	3321.16	
MW-5	05/24/06	3364.74	NG	NA	43.87	NA	NA	NA	NA	3320.87	
MW-5	06/07/06	3364.74	NG	NA	43.68	NA	NA	NA	NA	3321.06	
MW-5	06/15/06	3364.74	NG	NA	43.61	NA	NA	NA	NA	3321.13	Sampled
MW-5	06/29/06	3364.74	NG	NA	43.86	NA	NA	NA	NA	3320.88	
MW-5	07/11/06	3364.74	NG	NA	43.87	NA	NA	NA	NA	3320.87	
MW-5	07/25/06	3364.74	NG	NA	43.95	NA	NA	NA	NA	3320.79	
MW-5	08/09/06	3364.74	53.44	NA	44.04	NA	NA	NA	NA	3320.70	
MW-5	08/22/06	3364.74	NG	NA	44.13	NA	NA	NA	NA	3320.61	
MW-5	09/12/06	3364.74	53.37	NA	44.10	NA	NA	NA	NA	3320.64	Sampled
MW-5	09/19/06	3364.74	NG	NA	44.00	NA	NA	NA	NA	3320.74	
MW-5	10/03/06	3364.74	NG	NA	43.98	NA	NA	NA	NA	3320.76	
MW-5	10/17/06	3364.74	NG	NA	43.93	NA	NA	NA	NA	3320.81	
MW-5	10/31/06	3364.74	NG	NA	43.95	NA	NA	NA	NA	3320.79	
MW-5	11/15/06	3364.74	NG	NA	43.99	NA	NA	NA	NA	3320.75	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-5	12/06/06	3364.74	53.35	NA	43.85	NA	NA	NA	NA	3320.89	Sampled
MW-5	12/13/06	3364.74	NG	NA	43.88	NA	NA	NA	NA	3320.86	
MW-5	12/27/06	3364.74	NG	NA	43.65	NA	NA	NA	NA	3321.09	
MW-5	01/03/07	3364.74	NG	NA	43.73	NA	NA	NA	NA	3321.01	
MW-5	01/09/07	3364.74	NG	NA	43.88	NA	NA	NA	NA	3320.86	
MW-5	01/18/07	3364.74	NG	NA	43.71	NA	NA	NA	NA	3321.03	
MW-5	01/25/07	3364.74	NG	NA	43.66	NA	NA	NA	NA	3321.08	
MW-5	01/31/07	3364.74	NG	NA	43.45	NA	NA	NA	NA	3321.29	
MW-5	02/07/07	3364.74	NG	NA	43.58	NA	NA	NA	NA	3321.16	
MW-5	02/14/07	3364.74	NG	NA	43.61	NA	NA	NA	NA	3321.13	
MW-5	02/28/07	3364.74	53.25	NA	43.41	NA	NA	NA	NA	3321.33	Sampled
MW-5	03/07/07	3364.74	NG	NA	43.64	NA	NA	NA	NA	3321.10	
MW-5	04/04/07	3364.74	NG	NA	43.75	NA	NA	NA	NA	3320.99	
MW-5	05/03/07	3364.74	NG	NA	43.55	NA	NA	NA	NA	3321.19	
MW-5	05/30/07	3364.74	53.23	NA	43.45	NA	NA	NA	NA	3321.29	Sampled
MW-5	06/06/07	3364.74	53.23	NA	43.30	NA	NA	NA	NA	3321.44	
MW-5	07/05/07	3364.74	53.13	NA	43.52	NA	NA	NA	NA	3321.22	
MW-5	07/31/07	3364.74	53.13	NA	43.56	NA	NA	NA	NA	3321.18	
MW-5	09/07/07	3364.74	53.13	NA	43.91	NA	NA	NA	NA	3320.83	Sampled
MW-5	10/10/07	3364.74	53.13	NA	43.81	NA	NA	NA	NA	3320.93	
MW-5	11/13/07	3364.74	53.19	NA	43.78	NA	NA	NA	NA	3320.96	Sampled
MW-5	12/05/07	3364.74	53.19	NA	43.72	NA	NA	NA	NA	3321.02	
MW-5	01/09/08	3364.74	53.08	NA	43.67	NA	NA	NA	NA	3321.07	
MW-5	02/06/08	3364.74	53.08	NA	43.63	NA	NA	NA	NA	3321.11	
MW-5	02/27/08	3364.74	53.10	NA	43.70	NA	NA	NA	NA	3321.04	Sampled
MW-5	04/02/08	3364.74	53.02	NA	43.66	NA	NA	NA	NA	3321.08	
MW-5	05/20/08	3364.74	53.02	NA	43.90	NA	NA	NA	NA	3320.84	Sampled
MW-5	06/18/08	3364.74	53.02	NA	43.97	NA	NA	NA	NA	3320.77	
MW-5	07/07/08	3364.74	53.02	NA	43.96	NA	NA	NA	NA	3320.78	
MW-5	08/18/08	3364.74	53.06	NA	44.32	NA	NA	NA	NA	3320.42	Sampled
MW-5	10/15/08	3364.74	53.06	NA	44.42	NA	NA	NA	NA	3320.32	
MW-5	11/20/08	3364.74	53.00	NA	44.55	NA	NA	NA	NA	3320.19	Sampled
MW-5	12/21/08	3364.74	53.00	NA	44.62	NA	NA	NA	NA	3320.12	
MW-5	01/07/09	3364.74	55.03	NA	44.46	NA	NA	NA	NA	3320.28	
MW-5	02/04/09	3364.74	53.01	NA	44.61	NA	NA	NA	NA	3320.13	
MW-5	02/18/09	3364.74	52.96	NA	44.59	NA	NA	NA	NA	3320.15	Sampled
MW-5	03/04/09	3364.74	53.04	NA	44.45	NA	NA	NA	NA	3320.29	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-5	04/08/09	3364.74	53.04	NA	44.79	NA	NA	NA	NA	3319.95	
MW-5	05/06/09	3364.74	53.04	NA	44.44	NA	NA	NA	NA	3320.30	
MW-5	05/20/09	3364.74	53.04	NA	44.60	NA	NA	NA	NA	3320.14	Sampled
MW-5	06/03/09	3364.74	53.04	NA	44.60	NA	NA	NA	NA	3320.14	
MW-5	07/15/09	3364.74	53.04	NA	44.45	NA	NA	NA	NA	3320.29	
MW-5	08/05/09	3364.74	53.04	NA	44.35	NA	NA	NA	NA	3320.39	
MW-5	08/27/09	3364.74	53.03	NA	44.36	NA		0.00	5.00	3320.38	Sampled
MW-5	09/02/09	3364.74	53.03	NA	44.34	NA	NA	NA	NA	3320.40	
MW-5	10/07/09	3364.74	53.03	NA	44.28	NA	NA	NA	NA	3320.46	
MW-5	11/04/09	3364.74	53.03	NA	44.79	NA	NA	NA	NA	3319.95	
MW-5	11/18/09	3364.74	53.03	NA	44.25	NA	NA	NA	NA	3320.49	Sampled
MW-5	12/02/09	3364.74	53.03	NA	44.32	NA	NA	NA	NA	3320.42	
MW-5	01/06/10	3364.74	53.03	NA	44.11	NA	NA	NA	NA	3320.63	
MW-5	02/09/10	3364.74	53.03	NA	44.20	NA	NA	NA	NA	3320.54	Sampled
MW-5	03/10/10	3364.74	53.03	NA	43.95	NA	NA	NA	NA	3320.79	
MW-5	04/07/10	3364.74	53.03	NA	44.06	NA	NA	NA	NA	3320.68	
MW-5	05/05/10	3364.74	53.03	NA	44.04	NA	NA	NA	NA	3320.70	
MW-5	05/11/10	3364.74	53.03	NA	44.02	NA	NA	NA	NA	3320.72	Sampled
MW-5	06/02/10	3364.74	53.03	NA	44.02	NA	NA	NA	NA	3320.72	
MW-5	07/07/10	3364.74	53.03	NA	44.10	NA	NA	NA	NA	3320.64	
MW-5	08/03/10	3364.74	53.03	NA	44.07	NA	NA	NA	NA	3320.67	
MW-5	08/26/10	3364.74	53.03	NA	44.08	NA	NA	NA	NA	3320.66	Sampled
MW-5	09/01/10	3364.74	53.03	NA	43.98	NA	NA	NA	NA	3320.76	
MW-5	10/13/10	3364.74	53.03	NA	44.02	NA	NA	NA	NA	3320.72	
MW-5	11/18/10	3364.74	53.03	NA	43.87	NA	NA	NA	NA	3320.87	Sampled
MW-5	11/24/10	3364.74	53.03	NA	43.81	NA	NA	NA	NA	3320.93	
MW-5	12/08/10	3364.74	53.03	NA	43.81	NA	NA	NA	NA	3320.93	
MW-5	01/12/11	3364.74	53.03	NA	43.74	NA	NA	NA	NA	3321.00	
MW-5	02/08/11	3364.74	53.03	NA	43.49	NA	NA	NA	NA	3321.25	
MW-5	02/23/11	3364.74	53.03	NA	43.56	NA	NA	NA	NA	3321.18	Sampled
MW-5	03/08/11	3364.74	53.03	NA	43.55	NA	NA	NA	NA	3321.19	
MW-5	04/13/11	3364.74	53.03	NA	43.52	NA	NA	NA	NA	3321.22	
MW-5	06/01/11	3364.74	53.03	NA	43.60	NA	NA	NA	NA	3321.14	
MW-5	06/02/11	3364.74	53.03	NA	43.64	NA	NA	NA	NA	3321.10	Sampled
MW-5	07/27/11	3364.74	53.03	NA	43.78	NA	NA	NA	NA	3320.96	
MW-5	08/30/11	3364.74	53.03	NA	43.86	NA	NA	NA	NA	3320.88	Sampled
MW-5	09/14/11	3364.74	53.03	NA	43.96	NA	NA	NA	NA	3320.78	

TABLE 2
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Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-5	10/12/11	3364.74	53.03	NA	43.98	NA	NA	NA	NA	3320.76	
MW-5	11/29/11	3364.74	53.03	NA	44.15	NA	NA	NA	NA	3320.59	Sampled
MW-5	12/27/11	3364.74	53.03	NA	43.96	NA	NA	NA	NA	3320.78	
MW-5	01/18/12	3364.74	53.03	NA	43.95	NA	NA	NA	NA	3320.79	
MW-5	02/02/12	3364.74	53.03	NA	43.82	NA	NA	NA	NA	3320.92	
MW-5	02/15/12	3364.74	53.03	NA	43.89	NA	NA	NA	NA	3320.85	
MW-5	02/23/12	3364.74	53.03	NA	43.73	NA	NA	NA	NA	3321.01	
MW-5	04/20/12	3364.74	53.03	NA	43.91	NA	NA	NA	NA	3320.83	
MW-5	05/23/12	3364.74	53.03	NA	44.10	NA	NA	NA	NA	3320.64	
MW-5	07/18/12	3364.74	53.03	ND	45.42	ND	NA	NA	NA	3319.32	
MW-5	09/12/12	3364.74	53.03	ND	45.72	ND	NA	NA	NA	3319.02	
MW-5	10/16/12	3364.74	53.03	ND	45.50	ND	NA	NA	NA	3319.24	
MW-5	11/19/12	3364.74	52.90	ND	45.69	ND	NA	NA	NA	3319.05	
MW-5	02/28/13	3364.74	52.90	ND	45.75	ND	NA	NA	NA	3318.99	Sampled
MW-5	06/12/13	3364.74	52.90	ND	46.51	ND	NA	NA	NA	3318.23	Sampled
MW-5	08/14/13	3364.74	52.90	ND	46.69	ND	NA	NA	NA	3318.05	
MW-5	09/10/13	3364.74	52.90	ND	46.66	ND	NA	NA	NA	3318.08	
MW-5	11/07/13	3364.74	52.90	ND	46.95	ND	NA	NA	NA	3317.79	
MW-5	12/11/13	3364.74	52.90	ND	47.09	ND	NA	NA	NA	3317.65	
MW-6	12/21/05	3368.96	59.44	NA	47.31	NA	NA	NA	NA	3321.65	
MW-6	12/29/05	3368.96	NG	NA	47.16	NA	NA	NA	NA	3321.80	
MW-6	01/05/06	3368.96	NG	NA	47.40	NA	NA	NA	NA	3321.56	
MW-6	02/09/06	3368.96	NG	NA	47.15	NA	NA	NA	NA	3321.81	
MW-6	02/22/06	3368.96	NG	NA	47.12	NA	NA	NA	NA	3321.84	
MW-6	03/28/06	3368.96	59.45	NA	47.35	NA	NA	NA	NA	3321.61	Sampled
MW-6	04/13/06	3368.96	NG	NA	47.42	NA	NA	NA	NA	3321.54	
MW-6	04/25/06	3368.96	NG	NA	47.50	NA	NA	NA	NA	3321.46	
MW-6	05/11/06	3368.96	NG	NA	47.57	NA	NA	NA	NA	3321.39	
MW-6	05/24/06	3368.96	NG	NA	47.57	NA	NA	NA	NA	3321.39	
MW-6	06/07/06	3368.96	NG	NA	47.72	NA	NA	NA	NA	3321.24	
MW-6	06/15/06	3368.96	NG	NA	47.63	NA	NA	NA	NA	3321.33	Sampled
MW-6	06/29/06	3368.96	NG	NA	47.89	NA	NA	NA	NA	3321.07	
MW-6	07/11/06	3368.96	NG	NA	47.90	NA	NA	NA	NA	3321.06	
MW-6	07/25/06	3368.96	NG	NA	47.97	NA	NA	NA	NA	3320.99	
MW-6	08/09/06	3368.96	59.49	NA	48.02	NA	NA	NA	NA	3320.94	
MW-6	08/22/06	3368.96	NG	NA	48.15	NA	NA	NA	NA	3320.81	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-6	09/12/06	3368.96	59.43	NA	48.07	NA	NA	NA	NA	3320.89	Sampled
MW-6	09/19/06	3368.96	NG	NA	48.07	NA	NA	NA	NA	3320.89	
MW-6	10/03/06	3368.96	NG	NA	48.03	NA	NA	NA	NA	3320.93	
MW-6	10/17/06	3368.96	NG	NA	47.90	NA	NA	NA	NA	3321.06	
MW-6	10/30/06	3368.96	NG	NA	47.95	NA	NA	NA	NA	3321.01	
MW-6	11/15/06	3368.96	NG	NA	47.96	NA	NA	NA	NA	3321.00	
MW-6	12/06/06	3368.96	59.39	NA	47.81	NA	NA	NA	NA	3321.15	Sampled
MW-6	12/13/06	3368.96	NG	NA	47.88	NA	NA	NA	NA	3321.08	
MW-6	12/27/06	3368.96	NG	NA	47.63	NA	NA	NA	NA	3321.33	
MW-6	01/03/07	3368.96	NG	NA	47.68	NA	NA	NA	NA	3321.28	
MW-6	01/09/07	3368.96	NG	NA	47.80	NA	NA	NA	NA	3321.16	
MW-6	01/18/07	3368.96	NG	NA	47.65	NA	NA	NA	NA	3321.31	
MW-6	01/25/07	3368.96	NG	NA	47.67	NA	NA	NA	NA	3321.29	
MW-6	01/31/07	3368.96	NG	NA	47.40	NA	NA	NA	NA	3321.56	
MW-6	02/07/07	3368.96	NG	NA	47.51	NA	NA	NA	NA	3321.45	
MW-6	02/14/07	3368.96	NG	NA	47.54	NA	NA	NA	NA	3321.42	
MW-6	02/28/07	3368.96	59.50	NA	47.31	NA	NA	NA	NA	3321.65	Sampled
MW-6	03/07/07	3368.96	NG	NA	47.56	NA	NA	NA	NA	3321.40	
MW-6	04/04/07	3368.96	NG	NA	47.65	NA	NA	NA	NA	3321.31	
MW-6	05/03/07	3368.96	NG	NA	47.44	NA	NA	NA	NA	3321.52	
MW-6	05/30/07	3368.96	59.47	NA	47.35	NA	NA	NA	NA	3321.61	Sampled
MW-6	06/06/07	3368.96	59.47	NA	47.22	NA	NA	NA	NA	3321.74	
MW-6	07/05/07	3368.96	59.46	NA	47.55	NA	NA	NA	NA	3321.41	
MW-6	07/31/07	3368.96	59.47	NA	47.58	NA	NA	NA	NA	3321.38	
MW-6	09/07/07	3368.96	59.47	NA	47.70	NA	NA	NA	NA	3321.26	Sampled
MW-6	10/10/07	3368.96	59.48	NA	47.67	NA	NA	NA	NA	3321.29	
MW-6	11/13/07	3368.96	59.41	NA	47.65	NA	NA	NA	NA	3321.31	Sampled
MW-6	12/05/07	3368.96	59.41	NA	47.60	NA	NA	NA	NA	3321.36	
MW-6	01/09/08	3368.96	59.40	NA	47.46	NA	NA	NA	NA	3321.50	
MW-6	02/06/08	3368.96	59.40	NA	47.48	NA	NA	NA	NA	3321.48	
MW-6	02/27/08	3368.96	59.42	NA	47.43	NA	NA	NA	NA	3321.53	Sampled
MW-6	04/02/08	3368.96	59.41	NA	47.47	NA	NA	NA	NA	3321.49	
MW-6	05/20/08	3368.96	59.41	NA	47.74	NA	NA	NA	NA	3321.22	Sampled
MW-6	06/18/08	3368.96	59.41	NA	47.54	NA	NA	NA	NA	3321.42	
MW-6	07/07/08	3368.96	59.41	NA	47.86	NA	NA	NA	NA	3321.10	
MW-6	08/18/08	3368.96	59.42	NA	48.16	NA	NA	NA	NA	3320.80	Sampled
MW-6	10/15/08	3368.96	59.42	NA	48.24	NA	NA	NA	NA	3320.72	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-6	11/20/08	3368.96	59.45	NA	48.43	NA	NA	NA	NA	3320.53	Sampled
MW-6	12/21/08	3368.96	59.45	NA	48.48	NA	NA	NA	NA	3320.48	
MW-6	01/07/09	3368.96	59.47	NA	48.29	NA	NA	NA	NA	3320.67	
MW-6	02/04/09	3368.96	59.23	NA	48.44	NA	NA	NA	NA	3320.52	
MW-6	02/18/09	3368.96	59.43	NA	48.40	NA	NA	NA	NA	3320.56	Sampled
MW-6	03/04/09	3368.96	59.22	NA	48.24	NA	NA	NA	NA	3320.72	
MW-6	04/08/09	3368.96	59.22	NA	48.15	NA	NA	NA	NA	3320.81	
MW-6	05/06/09	3368.96	59.22	NA	48.23	NA	NA	NA	NA	3320.73	
MW-6	05/20/09	3368.96	59.22	NA	48.40	NA	NA	NA	NA	3320.56	Sampled
MW-6	06/03/09	3368.96	59.22	NA	48.38	NA	NA	NA	NA	3320.58	
MW-6	07/15/09	3368.96	59.22	NA	48.18	NA	NA	NA	NA	3320.78	
MW-6	08/05/09	3368.96	59.22	NA	48.10	NA	NA	NA	NA	3320.86	
MW-6	08/27/09	3368.96	59.21	NA	48.07	NA		0.00	22.00	3320.89	Sampled
MW-6	09/02/09	3368.96	59.21	NA	48.10	NA	NA	NA	NA	3320.86	
MW-6	10/07/09	3368.96	59.21	NA	48.99	NA	NA	NA	NA	3319.97	
MW-6	11/04/09	3368.96	59.21	NA	49.12	NA	NA	NA	NA	3319.84	
MW-6	11/18/09	3368.96	59.21	NA	48.00	NA	NA	NA	NA	3320.96	Sampled
MW-6	12/02/09	3368.96	59.21	NA	48.10	NA	NA	NA	NA	3320.86	
MW-6	01/06/10	3368.96	59.21	NA	47.83	NA	NA	NA	NA	3321.13	
MW-6	02/09/10	3368.96	59.21	NA	47.87	NA	NA	NA	NA	3321.09	Sampled
MW-6	03/10/10	3368.96	59.21	NA	47.66	NA	NA	NA	NA	3321.30	
MW-6	04/07/10	3368.96	59.21	NA	47.83	NA	NA	NA	NA	3321.13	
MW-6	05/05/10	3368.96	59.21	NA	47.74	NA	NA	NA	NA	3321.22	
MW-6	05/11/10	3368.96	59.21	NA	47.75	NA	NA	NA	NA	3321.21	Sampled
MW-6	06/02/10	3368.96	59.21	NA	47.73	NA	NA	NA	NA	3321.23	
MW-6	07/07/10	3368.96	59.21	NA	47.81	NA	NA	NA	NA	3321.15	
MW-6	08/03/10	3368.96	59.21	NA	47.80	NA	NA	NA	NA	3321.16	
MW-6	08/26/10	3368.96	59.21	NA	47.79	NA	NA	NA	NA	3321.17	Sampled
MW-6	09/01/10	3368.96	59.21	NA	47.68	NA	NA	NA	NA	3321.28	
MW-6	10/13/10	3368.96	59.21	NA	47.75	NA	NA	NA	NA	3321.21	
MW-6	11/18/10	3368.96	59.21	NA	47.58	NA	NA	NA	NA	3321.38	Sampled
MW-6	11/24/10	3368.96	59.21	NA	47.51	NA	NA	NA	NA	3321.45	
MW-6	12/08/10	3368.96	59.21	NA	47.53	NA	NA	NA	NA	3321.43	
MW-6	01/12/11	3368.96	59.21	NA	47.44	NA	NA	NA	NA	3321.52	
MW-6	02/08/11	3368.96	59.21	NA	47.20	NA	NA	NA	NA	3321.76	
MW-6	02/23/11	3368.96	59.21	NA	47.27	NA	NA	NA	NA	3321.69	Sampled
MW-6	03/08/11	3368.96	59.21	NA	47.26	NA	NA	NA	NA	3321.70	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-6	04/13/11	3368.96	59.21	NA	47.26	NA	NA	NA	NA	3321.70	
MW-6	06/01/11	3368.96	59.21	NA	47.36	NA	NA	NA	NA	3321.60	
MW-6	06/02/11	3368.96	59.21	NA	47.35	NA	NA	NA	NA	3321.61	Sampled
MW-6	07/27/11	3368.96	59.21	NA	47.53	NA	NA	NA	NA	3321.43	
MW-6	08/30/11	3368.96	59.21	NA	47.61	NA	NA	NA	NA	3321.35	Sampled
MW-6	09/14/11	3368.96	59.21	NA	47.70	NA	NA	NA	NA	3321.26	
MW-6	10/12/11	3368.96	59.21	NA	47.71	NA	NA	NA	NA	3321.25	
MW-6	11/29/11	3368.96	59.21	NA	47.81	NA	NA	NA	NA	3321.15	Sampled
MW-6	12/27/11	3368.96	59.21	NA	47.73	NA	NA	NA	NA	3321.23	
MW-6	01/18/12	3368.96	59.21	NA	47.71	NA	NA	NA	NA	3321.25	
MW-6	02/02/12	3368.96	59.21	NA	47.56	NA	NA	NA	NA	3321.40	
MW-6	02/15/12	3368.96	59.21	NA	47.65	NA	NA	NA	NA	3321.31	
MW-6	02/23/12	3368.96	59.21	NA	47.45	NA	NA	NA	NA	3321.51	
MW-6	04/20/12	3368.96	59.21	NA	47.63	NA	NA	NA	NA	3321.33	
MW-6	05/23/12	3368.96	59.21	NA	47.94	NA	NA	NA	NA	3321.02	
MW-6	06/12/13	3368.96	59.21	NA	50.52	NA	NA	NA	NA	3318.44	
MW-6	07/18/12	3368.96	59.21	NA	49.46	NA	NA	NA	NA	3319.50	
MW-6	09/12/12	3368.96	59.21	NA	49.59	NA	NA	NA	NA	3319.37	
MW-6	10/16/12	3368.96	59.21	NA	49.38	NA	NA	NA	NA	3319.58	
MW-6	11/19/12	3368.96	59.33	NA	49.55	NA	NA	NA	NA	3319.41	
MW-6	02/28/13	3368.96	59.33	NA	49.69	NA	NA	NA	NA	3319.27	Sampled
MW-6	06/12/13	3368.96	59.33	NA	50.52	NA	NA	NA	NA	3318.44	Sampled
MW-6	08/14/13	3368.96	59.33	NA	50.60	NA	NA	NA	NA	3318.36	
MW-6	09/10/13	3368.96	59.33	NA	50.58	NA	NA	NA	NA	3318.38	
MW-6	11/07/13	3368.96	59.33	NA	50.89	NA	NA	NA	NA	3318.07	
MW-6	12/11/13	3368.96	59.33	NA	51.09	NA	NA	NA	NA	3317.87	
MW-7	12/21/05	3370.25	59.35	NA	48.26	NA	NA	NA	NA	3321.99	
MW-7	12/29/05	3370.25	NG	NA	48.05	NA	NA	NA	NA	3322.20	
MW-7	01/05/06	3370.25	NG	NA	48.31	NA	NA	NA	NA	3321.94	
MW-7	02/09/06	3370.25	NG	NA	48.09	NA	NA	NA	NA	3322.16	
MW-7	02/22/06	3370.25	NG	NA	48.06	NA	NA	NA	NA	3322.19	
MW-7	03/28/06	3370.25	58.77	NA	48.25	NA	NA	NA	NA	3322.00	Sampled
MW-7	04/13/06	3370.25	NG	NA	48.38	NA	NA	NA	NA	3321.87	
MW-7	04/25/06	3370.25	NG	NA	48.48	NA	NA	NA	NA	3321.77	
MW-7	05/11/06	3370.25	NG	NA	48.53	NA	NA	NA	NA	3321.72	
MW-7	05/24/06	3370.25	NG	NA	48.55	NA	NA	NA	NA	3321.70	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-7	06/07/06	3370.25	NG	NA	48.68	NA	NA	NA	NA	3321.57	
MW-7	06/15/06	3370.25	NG	NA	48.60	NA	NA	NA	NA	3321.65	Sampled
MW-7	06/29/06	3370.25	NG	NA	48.86	NA	NA	NA	NA	3321.39	
MW-7	07/11/06	3370.25	NG	NA	48.86	NA	NA	NA	NA	3321.39	
MW-7	07/25/06	3370.25	NG	NA	48.97	NA	NA	NA	NA	3321.28	
MW-7	08/09/06	3370.25	58.78	NA	49.04	NA	NA	NA	NA	3321.21	
MW-7	08/22/06	3370.25	NG	NA	49.13	NA	NA	NA	NA	3321.12	
MW-7	09/12/06	3370.25	58.73	NA	49.14	NA	NA	NA	NA	3321.11	Sampled
MW-7	09/19/06	3370.25	NG	NA	49.05	NA	NA	NA	NA	3321.20	
MW-7	10/03/06	3370.25	NG	NA	49.03	NA	NA	NA	NA	3321.22	
MW-7	10/17/06	3370.25	NG	NA	48.92	NA	NA	NA	NA	3321.33	
MW-7	10/31/06	3370.25	NG	NA	48.95	NA	NA	NA	NA	3321.30	
MW-7	11/15/06	3370.25	NG	NA	48.96	NA	NA	NA	NA	3321.29	
MW-7	12/06/06	3370.25	58.72	NA	48.80	NA	NA	NA	NA	3321.45	Sampled
MW-7	12/13/06	3370.25	NG	NA	48.85	NA	NA	NA	NA	3321.40	
MW-7	12/27/06	3370.25	NG	NA	48.60	NA	NA	NA	NA	3321.65	
MW-7	01/03/07	3370.25	NG	NA	48.66	NA	NA	NA	NA	3321.59	
MW-7	01/09/07	3370.25	NG	NA	48.80	NA	NA	NA	NA	3321.45	
MW-7	01/18/07	3370.25	NG	NA	48.63	NA	NA	NA	NA	3321.62	
MW-7	01/25/07	3370.25	NG	NA	48.55	NA	NA	NA	NA	3321.70	
MW-7	01/31/07	3370.25	NG	NA	48.34	NA	NA	NA	NA	3321.91	
MW-7	02/07/07	3370.25	NG	NA	48.50	NA	NA	NA	NA	3321.75	
MW-7	02/14/07	3370.25	NG	NA	48.52	NA	NA	NA	NA	3321.73	
MW-7	02/28/07	3370.25	58.80	NA	48.30	NA	NA	NA	NA	3321.95	Sampled
MW-7	03/07/07	3370.25	NG	NA	48.57	NA	NA	NA	NA	3321.68	
MW-7	04/04/07	3370.25	NG	NA	48.65	NA	NA	NA	NA	3321.60	
MW-7	05/03/07	3370.25	NG	NA	48.38	NA	NA	NA	NA	3321.87	
MW-7	05/30/07	3370.25	58.71	NA	48.41	NA	NA	NA	NA	3321.84	Sampled
MW-7	06/06/07	3370.25	58.71	NA	48.21	NA	NA	NA	NA	3322.04	
MW-7	07/05/07	3370.25	58.73	NA	48.48	NA	NA	NA	NA	3321.77	
MW-7	07/31/07	3370.25	58.73	NA	48.51	NA	NA	NA	NA	3321.74	
MW-7	09/07/07	3370.25	58.73	NA	48.91	NA	NA	NA	NA	3321.34	Sampled
MW-7	10/10/07	3370.25	58.73	NA	48.69	NA	NA	NA	NA	3321.56	
MW-7	11/13/07	3370.25	58.88	NA	48.64	NA	NA	NA	NA	3321.61	Sampled
MW-7	12/05/07	3370.25	58.88	NA	48.59	NA	NA	NA	NA	3321.66	
MW-7	01/09/08	3370.25	58.85	NA	48.47	NA	NA	NA	NA	3321.78	
MW-7	02/06/08	3370.25	58.85	NA	48.45	NA	NA	NA	NA	3321.80	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-7	02/27/08	3370.25	58.66	NA	48.44	NA	NA	NA	NA	3321.81	Sampled
MW-7	04/02/08	3370.25	58.64	NA	48.45	NA	NA	NA	NA	3321.80	
MW-7	05/20/08	3370.25	58.64	NA	48.76	NA	NA	NA	NA	3321.49	Sampled
MW-7	06/18/08	3370.25	58.64	NA	48.85	NA	NA	NA	NA	3321.40	
MW-7	07/07/08	3370.25	58.64	NA	48.85	NA	NA	NA	NA	3321.40	
MW-7	08/18/08	3370.25	58.83	NA	49.11	NA	NA	NA	NA	3321.14	Sampled
MW-7	10/15/08	3370.25	58.83	NA	49.23	NA	NA	NA	NA	3321.02	
MW-7	11/20/08	3370.25	58.74	NA	49.46	NA	NA	NA	NA	3320.79	Sampled
MW-7	12/21/08	3370.25	58.74	NA	49.48	NA	NA	NA	NA	3320.77	
MW-7	01/07/09	3370.25	58.72	NA	49.33	NA	NA	NA	NA	3320.92	
MW-7	02/04/09	3370.25	58.73	NA	49.46	NA	NA	NA	NA	3320.79	
MW-7	02/18/09	3370.25	58.69	NA	49.43	NA	NA	NA	NA	3320.82	Sampled
MW-7	03/04/09	3370.25	58.75	NA	49.27	NA	NA	NA	NA	3320.98	
MW-7	04/08/09	3370.25	58.75	NA	49.14	NA	NA	NA	NA	3321.11	
MW-7	05/06/09	3370.25	58.75	NA	49.22	NA	NA	NA	NA	3321.03	
MW-7	05/20/09	3370.25	58.75	NA	49.48	NA	NA	NA	NA	3320.77	Sampled
MW-7	06/03/09	3370.25	58.75	NA	49.36	NA	NA	NA	NA	3320.89	
MW-7	07/15/09	3370.25	58.75	NA	49.12	NA	NA	NA	NA	3321.13	
MW-7	08/05/09	3370.25	58.75	NA	49.02	NA	NA	NA	NA	3321.23	
MW-7	08/27/09	3370.25	59.69	NA	49.01	NA		0.00	5.00	3321.24	Sampled
MW-7	09/02/09	3370.25	59.69	NA	49.02	NA	NA	NA	NA	3321.23	
MW-7	10/07/09	3370.25	59.69	NA	48.91	NA	NA	NA	NA	3321.34	
MW-7	11/04/09	3370.25	59.69	NA	49.07	NA	NA	NA	NA	3321.18	
MW-7	11/18/09	3370.25	59.69	NA	48.92	NA	NA	NA	NA	3321.33	Sampled
MW-7	12/02/09	3370.25	59.69	NA	49.05	NA	NA	NA	NA	3321.20	
MW-7	01/06/10	3370.25	59.69	NA	48.77	NA	NA	NA	NA	3321.48	
MW-7	02/09/10	3370.25	59.69	NA	48.85	NA	NA	NA	NA	3321.40	Sampled
MW-7	03/10/10	3370.25	59.69	NA	48.67	NA	NA	NA	NA	3321.58	
MW-7	04/07/10	3370.25	59.69	NA	48.81	NA	NA	NA	NA	3321.44	
MW-7	05/05/10	3370.25	59.69	NA	48.78	NA	NA	NA	NA	3321.47	
MW-7	05/11/10	3370.25	59.69	NA	48.75	NA	NA	NA	NA	3321.50	Sampled
MW-7	06/02/10	3370.25	59.69	NA	48.72	NA	NA	NA	NA	3321.53	
MW-7	07/07/10	3370.25	59.69	NA	48.78	NA	NA	NA	NA	3321.47	
MW-7	08/03/10	3370.25	59.69	NA	48.79	NA	NA	NA	NA	3321.46	
MW-7	08/26/10	3370.25	59.69	NA	48.78	NA	NA	NA	NA	3321.47	Sampled
MW-7	09/01/10	3370.25	59.69	NA	48.66	NA	NA	NA	NA	3321.59	
MW-7	10/13/10	3370.25	59.69	NA	48.69	NA	NA	NA	NA	3321.56	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-7	11/18/10	3370.25	59.69	NA	48.51	NA	NA	NA	NA	3321.74	Sampled
MW-7	11/24/10	3370.25	59.69	NA	48.46	NA	NA	NA	NA	3321.79	
MW-7	12/08/10	3370.25	59.69	NA	48.46	NA	NA	NA	NA	3321.79	
MW-7	01/12/11	3370.25	59.69	NA	48.36	NA	NA	NA	NA	3321.89	
MW-7	02/08/11	3370.25	59.69	NA	48.15	NA	NA	NA	NA	3322.10	
MW-7	02/23/11	3370.25	59.69	NA	48.19	NA	NA	NA	NA	3322.06	Sampled
MW-7	03/08/11	3370.25	59.69	NA	48.20	NA	NA	NA	NA	3322.05	
MW-7	04/13/11	3370.25	59.69	NA	48.17	NA	NA	NA	NA	3322.08	
MW-7	06/02/11	3370.25	59.69	NA	48.27	NA	NA	NA	NA	3321.98	Sampled
MW-7	07/27/11	3370.25	59.69	NA	48.39	NA	NA	NA	NA	3321.86	
MW-7	08/30/11	3370.25	59.69	NA	48.50	NA	NA	NA	NA	3321.75	Sampled
MW-7	09/14/11	3370.25	59.69	NA	48.58	NA	NA	NA	NA	3321.67	
MW-7	10/12/11	3370.25	59.69	NA	48.61	NA	NA	NA	NA	3321.64	
MW-7	11/29/11	3370.25	59.69	NA	48.70	NA	NA	NA	NA	3321.55	Sampled
MW-7	12/27/11	3370.25	59.69	NA	48.64	NA	NA	NA	NA	3321.61	
MW-7	01/18/12	3370.25	59.69	NA	48.59	NA	NA	NA	NA	3321.66	
MW-7	02/02/12	3370.25	59.69	NA	48.47	NA	NA	NA	NA	3321.78	
MW-7	02/15/12	3370.25	59.69	NA	48.56	NA	NA	NA	NA	3321.69	
MW-7	02/23/12	3370.25	59.69	NA	48.45	NA	NA	NA	NA	3321.80	
MW-7	04/20/12	3370.25	59.69	NA	48.56	NA	NA	NA	NA	3321.69	
MW-7	05/23/12	3370.25	59.69	NA	48.93	NA	NA	NA	NA	3321.32	
MW-7	07/18/12	3370.25	59.69	NA	50.60	NA	NA	NA	NA	3319.65	
MW-7	09/12/12	3370.25	59.69	NA	50.65	NA	NA	NA	NA	3319.60	
MW-7	10/16/12	3370.25	59.69	NA	50.40	NA	NA	NA	NA	3319.85	
MW-7	11/19/12	3370.25	59.69	NA	50.61	NA	NA	NA	NA	3319.64	
MW-7	02/28/13	3370.25	59.69	NA	50.70	NA	NA	NA	NA	3319.55	Sampled
MW-7	06/12/13	3370.25	59.69	NA	51.65	NA	NA	NA	NA	3318.60	Sampled
MW-7	08/14/13	3370.25	59.69	NA	51.70	NA	NA	NA	NA	3318.55	
MW-7	09/10/13	3370.25	59.69	NA	51.67	NA	NA	NA	NA	3318.58	
MW-7	11/07/13	3370.25	59.69	NA	51.94	NA	NA	NA	NA	3318.31	
MW-7	12/11/13	3370.25	58.72	NA	52.26	NA	NA	NA	NA	3317.99	
MW-8	01/27/10	3365.11	59.53	NA	44.41	NA	NA	NA	NA	3320.70	
MW-8	02/09/10	3365.11	59.53	NA	44.50	NA	NA	NA	NA	3320.61	
MW-8	03/10/10	3365.11	59.53	NA	44.22	NA	NA	NA	NA	3320.89	
MW-8	04/07/10	3365.11	59.53	NA	44.36	NA	NA	NA	NA	3320.75	
MW-8	05/05/10	3365.11	59.53	NA	44.35	NA	NA	NA	NA	3320.76	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-8	05/11/10	3365.11	59.53	NA	44.30	NA	NA	NA	NA	3320.81	Sampled
MW-8	06/02/10	3365.11	59.53	NA	44.32	NA	NA	NA	NA	3320.79	
MW-8	07/07/10	3365.11	59.53	NA	44.41	NA	NA	NA	NA	3320.70	
MW-8	08/03/10	3365.11	59.53	NA	44.36	NA	NA	NA	NA	3320.75	
MW-8	08/26/10	3365.11	59.53	NA	44.35	NA	NA	NA	NA	3320.76	Sampled
MW-8	09/01/10	3365.11	59.53	NA	44.25	NA	NA	NA	NA	3320.86	
MW-8	10/13/10	3365.11	59.53	NA	44.33	NA	NA	NA	NA	3320.78	
MW-8	11/18/10	3365.11	59.53	NA	44.18	NA	NA	NA	NA	3320.93	Sampled
MW-8	11/24/10	3365.11	59.53	NA	44.11	NA	NA	NA	NA	3321.00	
MW-8	12/08/10	3365.11	59.53	NA	44.12	NA	NA	NA	NA	3320.99	
MW-8	01/12/11	3365.11	59.53	NA	44.04	NA	NA	NA	NA	3321.07	
MW-8	02/08/11	3365.11	59.53	NA	43.85	NA	NA	NA	NA	3321.26	
MW-8	02/23/11	3365.11	59.53	NA	43.84	NA	NA	NA	NA	3321.27	Sampled
MW-8	03/08/11	3365.11	59.53	NA	43.86	NA	NA	NA	NA	3321.25	
MW-8	04/13/11	3365.11	59.53	NA	43.83	NA	NA	NA	NA	3321.28	
MW-8	06/01/11	3365.11	59.53	NA	43.95	NA	NA	NA	NA	3321.16	
MW-8	06/02/11	3365.11	59.53	NA	43.94	NA	NA	NA	NA	3321.17	Sampled
MW-8	07/27/11	3365.11	59.53	NA	44.13	NA	NA	NA	NA	3320.98	
MW-8	08/30/11	3365.11	59.53	NA	44.19	NA	NA	NA	NA	3320.92	Sampled
MW-8	09/14/11	3365.11	59.53	NA	44.30	NA	NA	NA	NA	3320.81	
MW-8	10/12/11	3365.11	59.53	NA	44.31	NA	NA	NA	NA	3320.80	
MW-8	11/29/11	3365.11	59.53	NA	44.39	NA	NA	NA	NA	3320.72	Sampled
MW-8	12/27/11	3365.11	59.53	NA	44.30	NA	NA	NA	NA	3320.81	
MW-8	01/18/12	3365.11	59.53	NA	44.24	NA	NA	NA	NA	3320.87	
MW-8	02/02/12	3365.11	59.53	NA	44.09	NA	NA	NA	NA	3321.02	
MW-8	02/15/12	3365.11	59.53	NA	44.20	NA	NA	NA	NA	3320.91	
MW-8	02/23/12	3365.11	59.53	NA	44.04	NA	NA	NA	NA	3321.07	
MW-8	04/20/12	3365.11	59.53	NA	44.23	NA	NA	NA	NA	3320.88	
MW-8	05/23/12	3365.11	59.53	NA	44.40	NA	NA	NA	NA	3320.71	
MW-8	07/18/12	3365.11	59.53	NA	45.78	NA	NA	NA	NA	3319.33	
MW-8	09/12/12	3365.11	59.53	NA	46.01	NA	NA	NA	NA	3319.10	
MW-8	10/16/12	3365.11	59.53	NA	45.85	NA	NA	NA	NA	3319.26	
MW-8	11/19/12	3365.11	59.60	ND	46.02	ND	NA	NA	NA	3319.09	
MW-8	02/28/13	3365.11	59.60	ND	46.15	ND	NA	NA	NA	3318.96	Sampled
MW-8	06/12/13	3365.11	59.60	ND	46.85	ND	NA	NA	NA	3318.26	Sampled
MW-8	08/14/13	3365.11	59.60	ND	46.96	ND	NA	NA	NA	3318.15	
MW-8	09/10/13	3365.11	59.60	ND	47.00	ND	NA	NA	NA	3318.11	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-8	11/07/13	3365.11	59.60	ND	47.17	ND	NA	NA	NA	3317.94	
MW-8	12/11/13	3365.11	59.60	ND	47.40	ND	NA	NA	NA	3317.71	
MW-9	11/07/13	3364.69	62.46	ND	46.56	ND	NA	NA	NA	3318.13	
MW-9	12/11/13	3364.69	62.46	ND	46.76	ND	NA	NA	NA	3317.93	
RW-1	12/21/05	3368.12	60.50	ND	46.52	ND	NA	NA	NA	3321.60	Installed Sock
RW-1	12/29/05	3368.12	NG	ND	46.28	ND	NA	NA	NA	3321.84	Sock
RW-1	01/05/06	3368.12	NG	ND	46.60	ND	NA	NA	NA	3321.52	Sock
RW-1	02/09/06	3368.12	NG	ND	46.35	ND	NA	NA	NA	3321.77	Sock
RW-1	02/22/06	3368.12	NG	ND	46.30	ND	NA	NA	NA	3321.82	Sock
RW-1	03/28/06	3368.12	NG	ND	46.42	ND		0.10	0.00	3321.70	Sock
RW-1	04/13/06	3368.12	NG	ND	46.60	ND		0.10	0.00	3321.52	Sock
RW-1	04/25/06	3368.12	NG	ND	46.78	ND		0.10	0.00	3321.34	Sock
RW-1	05/11/06	3368.12	NG	ND	46.82	ND		0.10	0.00	3321.30	Sock
RW-1	05/24/06	3368.12	NG	ND	46.80	ND		0.10	0.00	3321.32	Sock
RW-1	06/07/06	3368.12	NG	ND	46.91	ND		0.10	4.90	3321.21	Sock
RW-1	06/07/06	3368.12	NG	ND	47.10	ND		0.10	0.00	3321.02	Sock
RW-1	06/15/06	3368.12	NG	ND	46.96	ND		0.10	0.00	3321.16	Sock
RW-1	06/29/06	3368.12	NG	ND	47.26	ND		0.10	0.00	3320.86	Sock
RW-1	07/11/06	3368.12	NG	47.17	47.22	0.05		0.10	0.00	3320.94	Sock
RW-1	07/25/06	3368.12	NG	47.43	47.60	0.17		0.10	0.00	3320.66	Sock
RW-1	08/09/06	3368.12	58.48	47.02	48.96	1.94		10.00	0.00	3320.81	Flipped Sock
RW-1	08/09/06	3368.12	NG	48.33	48.43	0.10	NA	NA	NA	3319.78	NA
RW-1	08/09/06	3368.12	NG	47.20	47.60	0.40	NA	NA	NA	3320.86	2 hours later
RW-1	08/22/06	3368.12	NG	47.30	48.77	1.47	Hand Bailed	2.50	7.50	3320.60	
RW-1	08/22/06	3368.12	NG	48.20	48.25	0.05	NA	NA	NA	3319.91	New Sock
RW-1	09/12/06	3368.12	58.52	47.10	48.82	1.72	NA	NA	NA	3320.76	Removed Sock
RW-1	09/19/06	3368.12	NG	46.86	49.54	2.68	Hand Bailed	5.00	5.00	3320.86	
RW-1	09/19/06	3368.12	NG	48.53	48.60	0.07	NA	NA	NA	3319.58	
RW-1	10/03/06	3368.12	NG	46.80	49.42	2.62	Hand Bailed	4.50	5.50	3320.93	
RW-1	10/03/06	3368.12	NG	47.70	47.74	0.04	NA	NA	NA	3320.41	No Sock
RW-1	10/17/06	3368.12	NG	46.70	49.45	2.75	Hand Bailed	3.50	1.50	3321.01	
RW-1	10/17/06	3368.12	NG	47.52	47.58	0.06	NA	NA	NA	3320.59	No Sock
RW-1	10/31/06	3368.12	NG	46.75	49.63	2.88	Hand Bailed	3.50	1.50	3320.94	
RW-1	10/31/06	3368.12	NG	47.88	47.99	0.11	NA	NA	NA	3320.22	No Sock
RW-1	11/15/06	3368.12	NG	47.88	47.99	0.11	Hand Bailed	3.00	7.00	3320.22	

TABLE 2
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Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-1	11/15/06	3368.12	NG	48.33	48.51	0.18	NA	NA	NA	3319.76	No Sock
RW-1	12/06/06	3368.12	NG	46.64	49.41	2.77	NA	NA	NA	3321.06	
RW-1	12/13/06	3368.12	NG	46.59	49.50	2.91	Hand Bailed	3.50	1.50	3321.09	
RW-1	12/13/06	3368.12	NG	47.10	47.12	0.02	NA	NA	NA	3321.02	No Sock
RW-1	12/20/06	3368.12	NG	46.41	49.05	2.64	Hand Bailed	2.50	7.50	3321.31	
RW-1	12/20/06	3368.12	NG	47.51	47.70	0.19	NA	NA	NA	3320.58	No Sock
RW-1	12/27/06	3368.12	NG	46.21	48.33	2.12	Hand Bailed	3.50	1.50	3321.59	
RW-1	12/27/06	3368.12	NG	52.28	52.31	0.03	NA	NA	NA	3315.84	No Sock
RW-1	01/03/07	3368.12	NG	46.60	48.88	2.28	Hand Bailed	3.50	6.50	3321.18	
RW-1	01/03/07	3368.12	NG	48.00	48.06	0.06	NA	NA	NA	3320.11	No Sock
RW-1	01/09/07	3368.12	NG	46.92	47.24	0.32	Hand Bailed	3.00	6.00	3321.15	
RW-1	01/09/07	3368.12	NG	47.05	47.11	0.06	NA	NA	NA	3321.06	No Sock
RW-1	01/18/07	3368.12	NG	46.73	48.35	1.62	Hand Bailed	2.00	8.00	3321.15	
RW-1	01/18/07	3368.12	NG	49.10	49.15	0.05	NA	NA	NA	3319.01	No Sock
RW-1	01/25/07	3368.12	NG	46.70	47.55	0.85	Hand Bailed	2.50	7.50	3321.29	
RW-1	01/25/07	3368.12	NG	48.55	48.82	0.27	NA	NA	NA	3319.53	No Sock
RW-1	01/31/07	3368.12	NG	46.60	47.05	0.45	Hand Bailed	0.50	9.50	3321.45	
RW-1	01/31/07	3368.12	NG	48.15	48.20	0.05	NA	NA	NA	3319.96	No Sock
RW-1	02/07/07	3368.12	NG	46.52	47.19	0.67	Hand Bailed	0.75	9.00	3321.50	
RW-1	02/07/07	3368.12	NG	48.36	48.42	0.06	NA	NA	NA	3319.75	No Sock
RW-1	02/14/07	3368.12	NG	46.51	47.23	0.72	Hand Bailed	0.75	9.00	3321.50	
RW-1	02/14/07	3368.12	NG	48.42	48.46	0.04	NA	NA	NA	3319.69	No Sock
RW-1	02/21/07	3368.12	NG	46.77	47.40	0.63	Hand Bailed	0.75	9.00	3321.26	
RW-1	02/21/07	3368.12	NG	ND	48.94	ND	NA	NA	NA	3319.18	No Sock
RW-1	03/07/07	3368.12	NG	46.78	47.33	0.55	Hand Bailed	1.00	9.00	3321.26	
RW-1	03/07/07	3368.12	NG	ND	48.55	ND	NA	NA	NA	3319.57	No Sock
RW-1	03/14/07	3368.12	NG	46.75	47.12	0.37	Hand Bailed	0.50	1.25	3321.31	
RW-1	03/14/07	3368.12	NG	47.20	47.24	0.04	NA	NA	NA	3320.91	Installed Sock
RW-1	03/21/07	3368.12	NG	47.02	47.18	0.16	Hand Bailed	0.25	1.25	3321.08	
RW-1	03/21/07	3368.12	NG	47.10	47.12	0.02	NA	NA	NA	3321.02	Sock
RW-1	03/28/07	3368.12	NG	47.01	47.21	0.20	NA	NA	NA	3321.08	Sock
RW-1	04/04/07	3368.12	NG	47.20	47.40	0.20	NA	NA	NA	3320.89	New Sock
RW-1	04/10/07	3368.12	NG	46.80	46.83	0.03	Hand Bailed	0.10	4.90	3321.32	
RW-1	04/10/07	3368.12	NG	ND	46.96	ND	NA	NA	NA	3321.16	New Sock
RW-1	04/18/07	3368.12	NG	ND	46.92	ND	Hand Bailed	0.10	9.90	3321.20	
RW-1	04/18/07	3368.12	NG	ND	47.00	ND	NA	NA	NA	3321.12	New Sock
RW-1	04/24/07	3368.12	NG	46.87	46.88	0.01	Hand Bailed	0.10	9.90	3321.25	

TABLE 2
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Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-1	04/24/07	3368.12	NG	ND	46.93	ND	NA	NA	NA	3321.19	New Sock
RW-1	05/03/07	3368.12	NG	46.96	46.98	0.02	Hand Bailed	0.10	9.90	3321.16	
RW-1	05/03/07	3368.12	NG	ND	48.00	ND	NA	NA	NA	3320.12	New Sock
RW-1	05/11/07	3368.12	NG	ND	47.00	ND	NA	NA	NA	3321.12	New Sock
RW-1	05/16/07	3368.12	NG	ND	46.86	ND	Hand Bailed	0.10	9.90	3321.26	
RW-1	05/16/07	3368.12	NG	ND	48.81	ND	NA	NA	NA	3319.31	New Sock
RW-1	05/23/07	3368.12	NG	ND	46.62	ND	Hand Bailed	0.10	9.90	3321.50	
RW-1	05/23/07	3368.12	NG	ND	48.05	ND	NA	NA	NA	3320.07	New Sock
RW-1	05/31/07	3368.12	NG	ND	46.56	ND	NA	NA	NA	3321.56	Flipped Sock
RW-1	06/06/07	3368.12	58.41	ND	46.55	ND	Hand Bailed	0.10	9.90	3321.57	
RW-1	06/06/07	3368.12	58.41	ND	48.30	ND	NA	NA	NA	3319.82	Sock
RW-1	06/13/07	3368.12	58.41	ND	46.67	ND	Hand Bailed	0.10	9.90	3321.45	
RW-1	06/13/07	3368.12	58.41	ND	48.10	ND	NA	NA	NA	3320.02	New Sock
RW-1	06/19/07	3368.12	58.41	ND	46.68	ND	Hand Bailed	0.10	9.90	3321.44	
RW-1	06/19/07	3368.12	58.41	ND	47.71	ND	NA	NA	NA	3320.41	Flipped Sock
RW-1	06/27/07	3368.12	58.41	ND	46.70	ND	Hand Bailed	0.10	9.90	3321.42	
RW-1	06/27/07	3368.12	58.41	ND	47.93	ND	NA	NA	NA	3320.19	Sock
RW-1	07/05/07	3368.12	58.55	ND	46.78	ND	Hand Bailed	0.10	9.90	3321.34	
RW-1	07/05/07	3368.12	58.55	ND	48.72	ND	NA	NA	NA	3319.40	New Sock
RW-1	07/11/07	3368.12	58.55	ND	46.75	ND	Hand Bailed	0.10	9.90	3321.37	
RW-1	07/11/07	3368.12	58.55	ND	47.86	ND	NA	NA	NA	3320.26	Sock
RW-1	07/19/07	3368.12	58.55	ND	47.10	ND	Hand Bailed	0.10	9.90	3321.02	
RW-1	07/19/07	3368.12	58.55	ND	49.06	ND	NA	NA	NA	3319.06	Flipped Sock
RW-1	07/24/07	3368.12	58.55	ND	47.21	ND	Hand Bailed	0.10	9.90	3320.91	
RW-1	07/24/07	3368.12	58.55	ND	48.92	ND	NA	NA	NA	3319.20	Sock
RW-1	07/31/07	3368.12	58.53	ND	47.24	ND	Hand Bailed	0.10	9.90	3320.88	
RW-1	07/31/07	3368.12	58.53	ND	48.86	ND	NA	NA	NA	3319.26	New Sock
RW-1	08/09/07	3368.12	58.53	ND	47.14	ND	Hand Bailed	0.10	9.90	3320.98	
RW-1	08/09/07	3368.12	58.53	ND	48.82	ND	NA	NA	NA	3319.30	New Sock
RW-1	08/16/07	3368.12	58.53	ND	47.15	ND	Hand Bailed	0.10	9.90	3320.97	
RW-1	08/16/07	3368.12	58.53	48.71	48.82	0.11	NA	NA	NA	3319.39	Sock
RW-1	08/22/07	3368.12	58.53	ND	46.99	ND	Hand Bailed	0.10	9.90	3321.13	
RW-1	08/22/07	3368.12	58.53	ND	48.61	ND	NA	NA	NA	3319.51	New Sock
RW-1	08/28/07	3368.12	58.53	ND	47.08	ND	Hand Bailed	0.10	9.90	3321.04	
RW-1	08/28/07	3368.12	58.53	ND	48.92	ND	NA	NA	NA	3319.20	New Sock
RW-1	09/07/07	3368.12	58.53	ND	47.10	ND	NA	NA	NA	3321.02	New Sock
RW-1	09/13/07	3368.12	58.53	ND	47.21	ND	Hand Bailed	0.10	9.90	3320.91	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-1	09/13/07	3368.12	58.53	ND	48.77	ND	NA	NA	NA	3319.35	New Sock
RW-1	09/18/07	3368.12	58.53	ND	47.18	ND	Hand Bailed	0.10	9.90	3320.94	
RW-1	09/18/07	3368.12	58.53	ND	48.70	ND	NA	NA	NA	3319.42	New Sock
RW-1	09/26/07	3368.12	58.53	ND	47.23	ND	Hand Bailed	0.10	9.90	3320.89	
RW-1	09/26/07	3368.12	58.53	ND	48.60	ND	NA	NA	NA	3319.52	New Sock
RW-1	10/04/07	3368.12	58.53	ND	47.30	ND	Hand Bailed	0.10	8.90	3320.82	
RW-1	10/04/07	3368.12	58.53	ND	48.58	ND	NA	NA	NA	3319.54	New Sock
RW-1	10/10/07	3368.12	58.55	ND	47.37	ND	Hand Bailed	0.10	8.90	3320.75	
RW-1	10/10/07	3368.12	58.55	ND	52.81	ND	NA	NA	NA	3315.31	New Sock
RW-1	10/17/07	3368.12	58.55	ND	47.39	ND	Hand Bailed	0.10	8.90	3320.73	
RW-1	10/17/07	3368.12	58.55	ND	52.79	ND	NA	NA	NA	3315.33	Sock
RW-1	10/24/07	3368.12	58.55	47.25	47.32	0.07	Hand Bailed	1.00	90.00	3320.86	
RW-1	10/24/07	3368.12	58.55	ND	48.20	ND	NA	NA	NA	3319.92	Flipped Sock
RW-1	10/31/07	3368.12	58.55	47.14	47.20	0.06	Hand Bailed	1.00	10.00	3320.97	
RW-1	10/31/07	3368.12	58.55	ND	47.30	ND	NA	NA	NA	3320.82	New Sock
RW-1	11/07/07	3368.12	58.55	47.16	47.28	0.12	Hand Bailed	0.25	9.00	3320.94	
RW-1	11/07/07	3368.12	58.55	47.24	47.28	0.04	NA	NA	NA	3320.87	Sock
RW-1	11/13/07	3368.12	58.55	47.02	47.11	0.09	NA	NA	NA	3321.09	New Sock
RW-1	11/20/07	3368.12	58.55	47.14	47.15	0.01	NA	NA	NA	3320.98	Flipped Sock
RW-1	11/27/07	3368.12	58.55	ND	47.13	ND	Hand Bailed	1.00	8.00	3320.99	
RW-1	11/27/07	3368.12	58.55	ND	47.20	ND	NA	NA	NA	3320.92	New Sock
RW-1	12/05/07	3368.12	58.55	47.10	47.18	0.08	Hand Bailed	0.10	8.00	3321.01	
RW-1	12/05/07	3368.12	58.55	ND	47.11	ND	NA	NA	NA	3321.01	New Sock
RW-1	12/12/07	3368.12	58.55	47.08	47.12	0.04	Hand Bailed	0.10	8.00	3321.03	
RW-1	12/12/07	3368.12	58.55	ND	47.10	ND	NA	NA	NA	3321.02	New Sock
RW-1	12/18/07	3368.12	58.55	ND	46.98	ND	Hand Bailed	0.00	10.00	3321.14	
RW-1	12/18/07	3368.12	58.55	ND	47.39	ND	NA	NA	NA	3320.73	New Sock
RW-1	12/28/07	3368.12	58.55	ND	46.96	ND	Hand Bailed	0.00	9.00	3321.16	
RW-1	12/28/07	3368.12	58.55	ND	47.02	ND	NA	NA	NA	3321.10	New Sock
RW-1	01/03/08	3368.12	58.55	ND	47.07	ND	Hand Bailed	0.00	5.00	3321.05	
RW-1	01/03/08	3368.12	58.55	ND	47.02	ND	NA	NA	NA	3321.10	New Sock
RW-1	01/09/08	3368.12	58.55	ND	47.15	ND	Hand Bailed	0.00	5.00	3320.97	
RW-1	01/09/08	3368.12	58.55	ND	46.83	ND	NA	NA	NA	3321.29	New Sock
RW-1	01/17/08	3368.12	58.55	ND	46.91	ND	Hand Bailed	0.00	10.00	3321.21	
RW-1	01/17/08	3368.12	58.55	ND	46.83	ND	NA	NA	NA	3321.29	New Sock
RW-1	01/23/08	3368.12	58.55	ND	46.85	ND	Hand Bailed	0.00	10.00	3321.27	
RW-1	01/23/08	3368.12	58.55	ND	49.28	ND	NA	NA	NA	3318.84	Flipped Sock

TABLE 2
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Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-1	01/30/08	3368.12	58.55	ND	46.93	ND	Hand Bailed	0.00	10.00	3321.19	
RW-1	01/30/08	3368.12	58.55	ND	48.83	ND	NA	NA	NA	3319.29	Flipped Sock
RW-1	02/06/08	3368.12	58.55	ND	46.96	ND	Hand Bailed	0.00	20.00	3321.16	
RW-1	02/06/08	3368.12	58.55	ND	48.34	ND	NA	NA	NA	3319.78	Flipped Sock
RW-1	02/13/08	3368.12	58.55	ND	46.88	ND	Hand Bailed	0.00	20.00	3321.24	
RW-1	02/13/08	3368.12	58.55	ND	49.12	ND	NA	NA	NA	3319.00	New Sock
RW-1	02/19/08	3368.12	58.55	ND	46.91	ND	Hand Bailed	0.00	20.00	3321.21	
RW-1	02/19/08	3368.12	58.55	ND	48.60	ND	NA	NA	NA	3319.52	Flipped Sock
RW-1	02/27/08	3368.12	58.55	ND	47.14	ND	Hand Bailed	0.00	20.00	3320.98	
RW-1	02/27/08	3368.12	58.55	ND	48.19	ND	NA	NA	NA	3319.93	New Sock
RW-1	03/04/08	3368.12	58.55	ND	46.78	ND	Hand Bailed	0.00	20.00	3321.34	
RW-1	03/04/08	3368.12	58.55	ND	48.46	ND	NA	NA	NA	3319.66	Flipped Sock
RW-1	03/12/08	3368.12	58.55	ND	46.92	ND	Hand Bailed	0.00	20.00	3321.20	
RW-1	03/12/08	3368.12	58.55	ND	49.05	ND	NA	NA	NA	3319.07	New Sock
RW-1	03/19/08	3368.12	58.55	ND	46.95	ND	Hand Bailed	0.00	20.00	3321.17	
RW-1	03/19/08	3368.12	58.55	ND	48.58	ND	NA	NA	NA	3319.54	Flipped Sock
RW-1	03/26/08	3368.12	58.55	ND	47.12	ND	Hand Bailed	0.00	20.00	3321.00	
RW-1	03/26/08	3368.12	58.55	ND	48.40	ND	NA	NA	NA	3319.72	Sock
RW-1	04/02/08	3368.12	58.55	46.94	46.98	0.04	Hand Bailed	0.00	20.00	3321.17	
RW-1	04/02/08	3368.12	58.55	ND	48.00	ND	NA	NA	NA	3320.12	New Sock
RW-1	04/09/08	3368.12	58.55	ND	47.02	ND	Hand Bailed	0.00	20.00	3321.10	
RW-1	04/09/08	3368.12	58.55	ND	47.89	ND	NA	NA	NA	3320.23	Flipped Sock
RW-1	04/16/08	3368.12	58.55	ND	47.05	ND	Hand Bailed	0.00	20.00	3321.07	
RW-1	04/16/08	3368.12	58.55	ND	47.96	ND	NA	NA	NA	3320.16	Sock
RW-1	04/24/08	3368.12	58.55	47.03	47.13	0.10	NA	NA	NA	3321.08	Sock
RW-1	04/30/08	3368.12	58.55	46.82	46.90	0.08	Hand Bailed	0.00	20.00	3321.29	
RW-1	04/30/08	3368.12	58.55	ND	50.70	ND	NA	NA	NA	3317.42	Sock
RW-1	05/07/08	3368.12	58.55	46.84	46.96	0.12	Hand Bailed	0.25	20.00	3321.26	
RW-1	05/07/08	3368.12	58.55	ND	47.63	ND	NA	NA	NA	3320.49	Sock
RW-1	05/14/08	3368.12	58.55	46.89	47.07	0.18	Hand Bailed	0.25	20.00	3321.20	
RW-1	05/14/08	3368.12	58.55	ND	47.96	ND	NA	NA	NA	3320.16	New Sock
RW-1	05/20/08	3368.12	58.55	ND	47.25	ND	Hand Bailed	0.25	23.00	3320.87	
RW-1	05/20/08	3368.12	58.55	ND	48.44	ND	NA	NA	NA	3319.68	New Sock
RW-1	05/22/08	3368.12	58.22	ND	47.27	ND		0.00	22.50	3320.85	New Sock
RW-1	05/28/08	3368.12	58.22	ND	47.26	ND	Hand Bailed	0.00	20.00	3320.86	
RW-1	05/28/08	3368.12	58.22	ND	48.12	ND	NA	NA	NA	3320.00	New Sock
RW-1	06/04/08	3368.12	58.22	ND	47.30	ND	Pumped	0.00	20.00	3320.82	New Sock

TABLE 2
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Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-1	06/04/08	3368.12	58.22	ND	51.50	ND	NA	NA	NA	3316.62	
RW-1	06/11/08	3368.12	58.22	ND	47.32	ND	Pumped	0.00	20.00	3320.80	New Sock
RW-1	06/11/08	3368.12	58.22	ND	49.96	ND	NA	NA	NA	3318.16	
RW-1	06/18/08	3368.12	58.22	47.35	49.96	2.61	Pumped	0.00	20.00	3320.38	
RW-1	06/18/08	3368.12	58.22	ND	48.99	ND	NA	NA	NA	3319.13	New Sock
RW-1	06/26/08	3368.12	58.22	ND	47.41	ND	Pumped	0.00	20.00	3320.71	
RW-1	06/26/08	3368.12	58.22	ND	47.53	ND	NA	NA	NA	3320.59	New Sock
RW-1	07/02/08	3368.12	58.22	ND	47.43	ND	Pumped	0.00	20.00	3320.69	
RW-1	07/02/08	3368.12	58.22	ND	48.26	ND	NA	NA	NA	3319.86	New Sock
RW-1	07/07/08	3368.12	58.22	ND	47.40	ND	Pumped	0.00	20.00	3320.72	
RW-1	07/07/08	3368.12	58.22	ND	48.31	ND	NA	NA	NA	3319.81	New Sock
RW-1	07/16/08	3368.12	58.22	ND	47.44	ND	Pumped	0.00	20.00	3320.68	
RW-1	07/16/08	3368.12	58.22	ND	49.01	ND	NA	NA	NA	3319.11	Flipped Sock
RW-1	07/22/08	3368.12	58.22	ND	47.49	ND	Pumped	0.00	20.00	3320.63	
RW-1	07/22/08	3368.12	58.22	ND	48.91	ND	NA	NA	NA	3319.21	New Sock
RW-1	07/29/08	3368.12	58.22	ND	47.53	ND	Pumped	0.00	20.00	3320.59	
RW-1	07/29/08	3368.12	58.22	ND	58.99	ND	NA	NA	NA	3309.13	Sock
RW-1	08/05/08	3368.12	58.22	47.52	47.57	0.05	Pumped	0.00	20.00	3320.59	
RW-1	08/05/08	3368.12	58.22	ND	48.31	ND	NA	NA	NA	3319.81	New Sock
RW-1	08/13/08	3368.12	58.22	47.60	47.70	0.10	Pumped	0.00	20.00	3320.51	
RW-1	08/13/08	3368.12	58.22	ND	48.92	ND	NA	NA	NA	3319.20	New Sock
RW-1	08/20/08	3368.12	58.22	47.30	47.69	0.39	NA	NA	NA	3320.76	Sock
RW-1	08/27/08	3368.12	58.22	47.35	47.71	0.36	Pumped	0.50	19.00	3320.72	
RW-1	08/27/08	3368.12	58.22	48.46	48.56	0.10	NA	NA	NA	3319.65	New Sock
RW-1	09/02/08	3368.12	58.22	47.51	47.88	0.37	NA	NA	NA	3320.55	New Sock
RW-1	09/09/08	3368.12	58.22	47.68	47.83	0.15	NA	NA	NA	3320.42	Sock
RW-1	09/12/08	3368.12	58.22	47.75	49.05	1.30	Pumped	2.00	8.00	3320.18	
RW-1	09/12/08	3368.12	58.22	ND	47.62	ND	NA	NA	NA	3320.50	New Sock
RW-1	09/17/08	3368.12	58.22	47.75	49.05	1.30	Pumped	0.50	9.50	3320.18	
RW-1	09/17/08	3368.12	58.22	ND	49.10	ND	NA	NA	NA	3319.02	New Sock
RW-1	10/01/08	3368.12	58.22	47.19	49.81	2.62	Pumped	1.00	9.00	3320.54	
RW-1	10/01/08	3368.12	58.22	ND	50.08	ND	NA	NA	NA	3318.04	Removed Sock
RW-1	10/08/08	3368.12	58.22	45.10	49.68	4.58	Pumped	4.00	16.00	3322.33	
RW-1	10/08/08	3368.12	58.22	48.75	48.77	0.02	NA	NA	NA	3319.37	
RW-1	10/15/08	3368.12	58.22	47.12	49.59	2.47	Pumped	3.00	37.00	3320.63	
RW-1	10/15/08	3368.12	58.22	ND	49.89	ND	NA	NA	NA	3318.23	
RW-1	10/22/08	3368.12	58.22	47.25	49.10	1.85	Pumped	6.00	34.00	3320.59	

TABLE 2
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-1	10/22/08	3368.12	58.22	48.26	49.10	0.84	NA	NA	NA	3319.73	
RW-1	10/29/08	3368.12	58.22	47.14	49.63	2.49	Pumped	3.00	27.00	3320.61	
RW-1	10/29/08	3368.12	58.22	ND	49.20	ND	NA	NA	NA	3318.92	
RW-1	11/05/08	3368.12	58.22	47.19	49.57	2.38	Pumped	3.00	27.00	3320.57	
RW-1	11/05/08	3368.12	58.22	48.34	49.02	0.68	NA	NA	NA	3319.68	
RW-1	11/12/08	3368.12	58.22	47.21	49.84	2.63	Pumped	3.00	37.00	3320.52	
RW-1	11/12/08	3368.12	58.22	ND	47.84	ND	NA	NA	NA	3320.28	
RW-1	11/20/08	3368.12	58.22	47.40	49.91	2.51	Pumped	3.00	37.00	3320.34	
RW-1	11/20/08	3368.12	58.22	ND	49.25	ND	NA	NA	NA	3318.87	
RW-1	11/26/08	3368.12	58.22	47.29	49.46	2.17	Pumped	3.00	15.00	FALSE	
RW-1	11/26/08	3368.12	58.22	48.06	48.16	0.10	NA	NA	NA	3320.05	New Sock
RW-1	12/03/08	3368.12	58.22	47.54	49.21	1.67	Pumped	2.00	13.00	3320.33	
RW-1	12/03/08	3368.12	58.22	48.06	48.08	0.02	NA	NA	NA	3320.06	New Sock
RW-1	12/10/08	3368.12	58.22	47.58	48.59	1.01		3.00	12.00	3320.39	New Sock
RW-1	12/10/08	3368.12	58.22	47.82	48.06	0.24	NA	NA	NA	3320.26	
RW-1	12/17/08	3368.12	58.22	47.49	48.31	0.82		2.50	12.50	3320.51	Flipped Sock
RW-1	12/17/08	3368.12	58.22	47.63	47.96	0.33	NA	NA	NA	3320.44	Flipped Sock
RW-1	12/21/08	3368.12	58.22	47.40	50.00	2.60	Hand Bailed	0.50	11.00	3320.33	No Sock
RW-1	12/21/08	3368.12	58.22	47.75	48.03	0.28	NA	NA	NA	3320.33	
RW-1	12/31/08	3368.12	58.22	47.36	49.93	2.57	Hand Bailed	6.00	9.00	3320.37	
RW-1	12/31/08	3368.12	58.22	47.81	47.89	0.08	NA	NA	NA	3320.30	
RW-1	01/07/09	3368.12	58.70	47.30	49.53	2.23	Hand Bailed	10.00	17.00	3320.49	
RW-1	01/07/09	3368.12	58.70	48.87	48.90	0.03	NA	NA	NA	3319.25	
RW-1	01/15/09	3368.12	58.70	47.43	49.81	2.38	Pumped	1.00	16.00	3320.33	
RW-1	01/15/09	3368.12	58.70	ND	48.56	ND	NA	NA	NA	3319.56	
RW-1	01/22/09	3368.12	58.70	47.31	49.49	2.18	Pumped	1.00	19.00	3320.48	
RW-1	01/22/09	3368.12	58.70	ND	48.00	ND	NA	NA	NA	3320.12	
RW-1	01/28/09	3368.12	58.70	47.39	49.29	1.90	Pumped	4.00	20.00	3320.45	
RW-1	01/28/09	3368.12	58.70	ND	48.31	ND	NA	NA	NA	3319.81	
RW-1	02/04/09	3368.12	58.70	47.48	49.57	2.09	Pumped	1.00	19.00	3320.33	
RW-1	02/04/09	3368.12	58.70	48.23	48.24	0.01	NA	NA	NA	3319.89	
RW-1	02/11/09	3368.12	58.70	47.52	49.37	1.85	Pumped	6.00	24.00	3320.32	
RW-1	02/11/09	3368.12	58.70	ND	48.18	ND	NA	NA	NA	3319.94	
RW-1	02/18/09	3368.12	58.70	47.44	49.46	2.02	Pumped	1.50	18.50	3320.38	
RW-1	02/18/09	3368.12	58.70	ND	48.34	ND	NA	NA	NA	3319.78	
RW-1	02/25/09	3368.12	58.70	47.38	49.25	1.87	Pumped	0.50	34.50	3320.46	
RW-1	02/25/09	3368.12	58.70	ND	48.57	ND	NA	NA	NA	3319.55	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-1	03/04/09	3368.12	58.70	47.36	49.00	1.64	Pumped	1.00	29.00	3320.51	
RW-1	03/04/09	3368.12	58.70	ND	48.55	ND	NA	NA	NA	3319.57	
RW-1	03/11/09	3368.12	58.70	47.56	48.93	1.37	Pumped	2.00	18.00	3320.35	
RW-1	03/11/09	3368.12	58.70	ND	48.17	ND	NA	NA	NA	3319.95	
RW-1	03/18/09	3368.12	58.70	47.34	48.79	1.45	Pumped	1.00	19.00	3320.56	
RW-1	03/18/09	3368.12	58.70	ND	48.14	ND	NA	NA	NA	3319.98	
RW-1	03/25/09	3368.12	58.70	47.33	48.59	1.26	Pumped	2.50	17.50	3320.60	
RW-1	03/25/09	3368.12	58.70	ND	48.29	ND	NA	NA	NA	3319.83	
RW-1	04/01/09	3368.12	58.70	47.24	48.25	1.01	Hand Bailed	1.00	9.75	3320.73	
RW-1	04/01/09	3368.12	58.70	ND	48.71	ND	NA	NA	NA	3319.41	
RW-1	04/08/09	3368.12	58.70	47.27	48.54	1.27	Pumped	1.00	19.00	3320.66	
RW-1	04/08/09	3368.12	58.70	ND	48.72	ND	NA	NA	NA	3319.40	
RW-1	04/15/09	3368.12	58.70	47.29	48.33	1.04	Pumped	1.00	19.00	3320.67	
RW-1	04/15/09	3368.12	58.70	ND	50.63	ND	NA	NA	NA	3317.49	
RW-1	04/22/09	3368.12	58.70	47.26	48.78	1.52	Pumped	2.25	27.50	3320.63	
RW-1	04/22/09	3368.12	58.70	ND	49.08	ND	NA	NA	NA	3319.04	
RW-1	04/29/09	3368.12	58.70	47.32	48.43	1.11	Pumped	1.50	18.50	3320.63	
RW-1	04/29/09	3368.12	58.70	ND	48.32	ND	NA	NA	NA	3319.80	
RW-1	05/06/09	3368.12	58.70	47.38	48.50	1.12	Pumped	1.50	18.50	3320.57	
RW-1	05/06/09	3368.12	58.70	ND	47.75	ND	NA	NA	NA	3320.37	
RW-1	05/14/09	3368.12	58.70	47.49	49.10	1.61	Pumped	1.00	19.00	3320.39	
RW-1	05/14/09	3368.12	58.70	ND	48.27	ND	NA	NA	NA	3319.85	
RW-1	05/20/09	3368.12	58.70	47.49	49.28	1.79	NA	NA	NA	3320.36	
RW-1	05/28/09	3368.12	58.70	47.47	49.18	1.71	Pumped	1.00	19.00	3320.39	
RW-1	05/28/09	3368.12	58.70	ND	48.39	ND	NA	NA	NA	3319.73	
RW-1	06/03/09	3368.12	58.70	47.47	49.38	1.91	Pumped	1.50	24.50	3320.36	
RW-1	06/03/09	3368.12	58.70	ND	49.03	ND	NA	NA	NA	3319.09	
RW-1	06/11/09	3368.12	58.70	47.39	49.50	2.11	Pumped	1.50	24.50	3320.41	
RW-1	06/11/09	3368.12	58.70	ND	49.41	ND	NA	NA	NA	3318.71	
RW-1	06/17/09	3368.12	58.70	47.38	49.10	1.72	Pumped	3.00	22.00	3320.48	
RW-1	06/17/09	3368.12	58.70	ND	49.25	ND	NA	NA	NA	3318.87	
RW-1	06/23/09	3368.12	58.70	47.52	48.50	0.98	Pumped	1.00	14.00	3320.45	
RW-1	06/23/09	3368.12	58.70	ND	49.50	ND	NA	NA	NA	3318.62	
RW-1	07/01/09	3368.12	58.70	47.41	48.60	1.19	Pumped	2.00	13.00	3320.53	
RW-1	07/01/09	3368.12	58.70	ND	49.35	ND	NA	NA	NA	3318.77	
RW-1	07/07/09	3368.12	58.70	47.40	48.35	0.95	Pumped	1.00	14.00	3320.58	
RW-1	07/07/09	3368.12	58.70	ND	48.94	ND	NA	NA	NA	3319.18	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-1	07/15/09	3368.12	58.70	47.36	48.64	1.28	Pumped	3.00	7.00	3320.57	
RW-1	07/15/09	3368.12	58.70	ND	48.02	ND	NA	NA	NA	3320.10	
RW-1	07/29/09	3368.12	58.70	47.34	48.31	0.97	Pumped	0.50	19.50	3320.63	
RW-1	08/05/09	3368.12	58.70	47.40	48.13	0.73	Pumped	1.00	9.00	3320.61	
RW-1	08/05/09	3368.12	58.70	ND	49.45	ND	NA	NA	NA	3318.67	
RW-1	08/12/09	3368.12	58.70	47.34	48.05	0.71	Pumped	1.50	18.50	3320.67	
RW-1	08/12/09	3368.12	58.70	ND	50.35	ND	NA	NA	NA	3317.77	
RW-1	08/19/09	3368.12	58.70	47.26	47.89	0.63	Pumped	0.50	14.75	3320.77	
RW-1	08/19/09	3368.12	58.70	ND	49.05	ND	NA	NA	NA	3319.07	
RW-1	08/27/09	3368.12	58.70	47.30	48.03	0.73	Pumped	0.50	14.50	3320.71	
RW-1	08/27/09	3368.12	58.70	ND	48.10	ND	NA	NA	NA	3320.02	
RW-1	09/02/09	3368.12	58.70	47.32	47.96	0.64	Pumped	1.00	15.00	3320.70	
RW-1	09/02/09	3368.12	58.70	ND	48.71	ND	NA	NA	NA	3319.41	
RW-1	09/09/09	3368.12	58.70	47.31	47.93	0.62	Pumped	0.25	14.75	3320.72	
RW-1	09/09/09	3368.12	58.70	ND	48.13	ND	NA	NA	NA	3319.99	
RW-1	09/16/09	3368.12	58.70	47.36	48.01	0.65	Pumped	0.50	14.50	3320.66	
RW-1	09/16/09	3368.12	58.70	ND	49.80	ND	NA	NA	NA	3318.32	
RW-1	09/23/09	3368.12	58.70	47.31	47.96	0.65	Pumped	0.50	9.50	3320.71	
RW-1	09/23/09	3368.12	58.70	ND	47.57	ND	NA	NA	NA	3320.55	
RW-1	09/23/09	3368.12	58.70	47.42	47.44	0.02	Pumped	NA	10.00	3320.70	
RW-1	09/23/09	3368.12	58.70	ND	50.13	ND	NA	NA	NA	3317.99	
RW-1	09/30/09	3368.12	58.70	47.25	47.85	0.60	Pumped	0.50	9.50	3320.78	
RW-1	09/30/09	3368.12	58.70	ND	50.20	ND	NA	NA	NA	3317.92	
RW-1	09/30/09	3368.12	58.70	47.25	47.36	0.11	Pumped	0.25	9.75	3320.85	
RW-1	09/30/09	3368.12	58.70	ND	48.70	ND	NA	NA	NA	3319.42	
RW-1	10/07/09	3368.12	58.70	47.30	47.91	0.61	Pumped	0.25	9.75	3320.73	
RW-1	10/07/09	3368.12	58.70	ND	49.08	ND	NA	NA	NA	3319.04	
RW-1	10/07/09	3368.12	58.70	47.30	47.41	0.11	Pumped	0.25	9.75	3320.80	
RW-1	10/07/09	3368.12	58.70	ND	49.92	ND	NA	NA	NA	3318.20	
RW-1	10/14/09	3368.12	58.70	47.32	47.86	0.54	Pumped	0.50	9.50	3320.72	
RW-1	10/14/09	3368.12	58.70	ND	48.96	ND	NA	NA	NA	3319.16	
RW-1	10/14/09	3368.12	58.70	47.29	47.33	0.04	Pumped	0.10	9.90	3320.82	
RW-1	10/14/09	3368.12	58.70	ND	48.57	ND	NA	NA	NA	3319.55	
RW-1	10/21/09	3368.12	58.70	47.28	47.65	0.37	Pumped	0.50	9.50	3320.78	
RW-1	10/21/09	3368.12	58.70	ND	49.01	ND	NA	NA	NA	3319.11	
RW-1	10/28/09	3368.12	58.70	47.20	47.65	0.45	Pumped	0.25	19.75	3320.85	
RW-1	10/28/09	3368.12	58.70	ND	48.73	ND	NA	NA	NA	3319.39	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-1	11/04/09	3368.12	58.70	47.43	48.13	0.70	Pumped	0.50	9.50	3320.59	
RW-1	11/04/09	3368.12	58.70	ND	49.24	ND	NA	AM	NA	3318.88	
RW-1	11/04/09	3368.12	58.70	47.49	47.53	0.04	Pumped	0.00	10.00	3320.62	
RW-1	11/04/09	3368.12	58.70	ND	48.88	ND	NA	NA	NA	3319.24	
RW-1	11/11/09	3368.12	58.70	47.46	47.96	0.50	Pumped	0.50	9.50	3320.59	
RW-1	11/11/09	3368.12	58.70	ND	49.59	ND	NA	NA	NA	3318.53	
RW-1	11/11/09	3368.12	58.70	47.45	47.51	0.06	Pumped	0.10	9.90	3320.66	
RW-1	11/11/09	3368.12	58.70	ND	48.70	ND	NA	NA	NA	3319.42	
RW-1	11/18/09	3368.12	58.70	48.31	48.76	0.45	Pumped	0.25	20.00	3319.74	
RW-1	11/18/09	3368.12	58.70	ND	49.45	ND	NA	NA	NA	3318.67	
RW-1	11/25/09	3368.12	58.70	47.45	48.01	0.56	Pumped	0.50	9.50	3320.59	
RW-1	11/25/09	3368.12	58.70	ND	49.30	ND	NA	NA	NA	3318.82	
RW-1	12/02/09	3368.12	58.70	47.45	47.95	0.50	Pumped	0.25	9.75	3320.60	
RW-1	12/02/09	3368.12	58.70	49.30	50.66	1.36	NA	NA	NA	3318.62	
RW-1	12/09/09	3368.12	58.70	47.46	48.00	0.54	Pumped	0.25	20.00	3320.58	
RW-1	12/09/09	3368.12	58.70	ND	49.54	ND	NA	NA	NA	3318.58	
RW-1	12/16/09	3368.12	58.70	47.43	48.06	0.63	Pumped	0.50	14.50	3320.60	
RW-1	12/16/09	3368.12	58.70	48.95	49.85	0.90	NA	NA	NA	3319.04	
RW-1	12/23/09	3368.12	58.70	47.23	47.60	0.37	Pumped	0.50	19.50	3320.83	
RW-1	12/23/09	3368.12	58.70	ND	50.22	ND	NA	NA	NA	3317.90	
RW-1	12/30/09	3368.12	58.70	47.27	47.81	0.54	Pumped	0.25	19.75	3320.77	
RW-1	12/30/09	3368.12	58.70	ND	49.28	ND	NA	NA	NA	3318.84	
RW-1	01/06/10	3368.12	58.70	47.13	47.63	0.50	Pumped	0.25	9.75	3320.92	
RW-1	01/06/10	3368.12	58.70	ND	49.54	ND	NA	NA	NA	3318.58	
RW-1	01/13/10	3368.12	58.70	47.22	47.80	0.58	Pumped	0.25	9.75	3320.81	
RW-1	01/13/10	3368.12	58.70	ND	48.44	ND	NA	NA	NA	3319.68	
RW-1	01/27/10	3368.12	58.70	47.15	47.76	0.61	Pumped	0.50	9.50	3320.88	
RW-1	01/27/10	3368.12	58.70	ND	48.70	ND	NA	NA	NA	3319.42	
RW-1	02/11/10	3368.12	58.70	47.10	47.59	0.49	Pumped	0.10	9.90	3320.95	
RW-1	02/11/10	3368.12	58.70	ND	48.42	ND	NA	NA	NA	3319.70	
RW-1	02/17/10	3368.12	58.70	47.17	47.75	0.58	Pumped	0.50	9.50	3320.86	
RW-1	02/17/10	3368.12	58.70	ND	48.80	ND	NA	NA	NA	3319.32	
RW-1	03/02/10	3368.12	58.70	47.13	47.65	0.52	Pumped	0.10	9.90	3320.91	
RW-1	03/02/10	3368.12	58.70	ND	48.54	ND	NA	NA	NA	3319.58	
RW-1	03/10/10	3368.12	58.70	47.05	47.38	0.33	Pumped	0.10	9.90	3321.02	
RW-1	03/10/10	3368.12	58.70	ND	48.44	ND	NA	NA	NA	3319.68	
RW-1	03/17/10	3368.12	58.70	47.16	47.74	0.58	Pumped	0.25	14.75	3320.87	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-1	03/17/10	3368.12	58.70	ND	48.98	ND	NA	NA	NA	3319.14	
RW-1	03/24/10	3368.12	58.70	47.12	47.52	0.40	Pumped	0.10	9.90	3320.94	
RW-1	03/24/10	3368.12	58.70	ND	48.61	ND	NA	NA	NA	3319.51	
RW-1	03/31/10	3368.12	58.70	47.06	47.45	0.39	Pumped	0.50	29.50	3321.00	
RW-1	03/31/10	3368.12	58.70	ND	48.10	ND	NA	NA	NA	3320.02	
RW-1	04/07/10	3368.12	58.70	47.15	47.69	0.54	Pumped	0.10	14.90	3320.89	
RW-1	04/07/10	3368.12	58.70	ND	48.52	ND	NA	NA	NA	3319.60	
RW-1	04/14/10	3368.12	58.70	47.12	47.55	0.43	Pumped	0.25	19.75	3320.94	
RW-1	04/14/10	3368.12	58.70	ND	48.11	ND	NA	NA	NA	3320.01	
RW-1	04/21/10	3368.12	58.70	47.03	47.18	0.15	Pumped	0.10	19.90	3321.07	
RW-1	04/21/10	3368.12	58.70	ND	47.90	ND	NA	NA	NA	3320.22	
RW-1	04/28/10	3368.12	58.70	47.12	47.34	0.22	Pumped	0.10	14.90	3320.97	
RW-1	04/28/10	3368.12	58.70	ND	49.13	ND	NA	NA	NA	3318.99	
RW-1	05/05/10	3368.12	58.70	47.10	47.46	0.36	Pumped	0.50	9.50	3320.97	
RW-1	05/05/10	3368.12	58.70	ND	50.25	ND	NA	NA	NA	3317.87	
RW-1	05/11/10	3368.12	58.70	47.10	47.38	0.28	Pumped	0.10	21.90	3320.98	
RW-1	05/11/10	3368.12	58.70	ND	48.82	ND	NA	NA	NA	3319.30	
RW-1	05/19/10	3368.12	58.70	47.11	47.42	0.31	Pumped	0.25	9.75	3320.96	
RW-1	05/19/10	3368.12	58.70	ND	48.45	ND	NA	NA	NA	3319.67	
RW-1	05/29/10	3368.12	58.70	47.15	47.60	0.45	Pumped	0.25	19.75	3320.90	
RW-1	05/29/10	3368.12	58.70	ND	48.05	ND	NA	NA	NA	3320.07	
RW-1	06/02/10	3368.12	58.70	47.15	47.35	0.20	Pump	0.10	14.90	3320.94	
RW-1	06/02/10	3368.12	58.70	ND	49.05	ND	NA	NA	NA	3319.07	
RW-1	06/12/10	3368.12	58.70	47.20	47.56	0.36	Pumped	<0.25	10.00	3320.87	
RW-1	06/12/10	3368.12	58.70	ND	48.95	ND	NA	NA	NA	3319.17	
RW-1	06/15/10	3368.12	58.70	47.18	47.48	0.30	Pumped	2.00	13.00	3320.90	
RW-1	06/15/10	3368.12	58.70	ND	49.26	ND	NA	NA	NA	3318.86	
RW-1	06/25/10	3368.12	58.70	47.20	47.60	0.40	Pumped	<0.25	10.00	3320.86	
RW-1	06/25/10	3368.12	58.70	ND	49.30	ND	NA	NA	NA	3318.82	
RW-1	06/30/10	3368.12	58.70	47.23	47.68	0.45	NA	NA	NA	3320.82	
RW-1	07/07/10	3368.12	58.70	47.21	47.67	0.46	Pumped	0.50	9.50	3320.84	
RW-1	07/07/10	3368.12	58.70	ND	48.56	ND	NA	NA	NA	3319.56	
RW-1	07/14/10	3368.12	58.70	47.19	47.50	0.31	Pumped	0.10	14.90	3320.88	
RW-1	07/14/10	3368.12	58.70	ND	49.06	ND	NA	NA	NA	3319.06	
RW-1	07/21/10	3368.12	58.70	47.20	47.55	0.35	Pumped	<0.25	15.00	3320.87	
RW-1	07/21/10	3368.12	58.70	ND	49.54	ND	NA	NA	NA	3318.58	
RW-1	07/28/10	3368.12	58.70	47.21	47.55	0.34	Pumped	<0.25	10.00	3320.86	

TABLE 2
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Plains Marketing, L.P.
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-1	07/28/10	3368.12	58.70	ND	49.59	ND	NA	NA	NA	3318.53	
RW-1	08/03/10	3368.12	58.70	47.20	47.50	0.30	Pumped	<0.25	10.00	3320.88	
RW-1	08/03/10	3368.12	58.70	ND	48.65	ND	NA	NA	NA	3319.47	
RW-1	08/11/10	3368.12	58.70	47.20	47.54	0.34	Pumped	<0.25	15.00	3320.87	
RW-1	08/11/10	3368.12	58.70	ND	48.75	ND	NA	NA	NA	3319.37	
RW-1	08/18/10	3368.12	58.70	47.21	47.58	0.37	Pumped	0.10	9.90	3320.85	
RW-1	08/18/10	3368.12	58.70	ND	49.10	ND	NA	NA	NA	3319.02	
RW-1	08/25/10	3368.12	58.70	47.28	47.67	0.39	Pumped	0.10	9.90	3320.78	
RW-1	08/25/10	3368.12	58.70	ND	48.28	ND	NA	NA	NA	3319.84	
RW-1	09/01/10	3368.12	58.70	47.12	47.28	0.16	Pumped	0.10	14.90	3320.98	
RW-1	09/01/10	3368.12	58.70	ND	49.31	ND	NA	NA	NA	3318.81	
RW-1	09/08/10	3368.12	58.70	47.15	47.34	0.19	Pumped	0.10	14.90	3320.94	
RW-1	09/08/10	3368.12	58.70	ND	49.66	ND	NA	NA	NA	3318.46	
RW-1	09/15/10	3368.12	58.70	47.14	47.33	0.19	Pumped	0.10	9.90	3320.95	
RW-1	09/15/10	3368.12	58.70	ND	49.15	ND	NA	NA	NA	3318.97	
RW-1	09/21/10	3368.12	58.70	47.09	47.20	0.11	Pumped	0.10	19.90	3321.01	
RW-1	09/21/10	3368.12	58.70	ND	48.93	ND	NA	NA	NA	3319.19	
RW-1	10/01/10	3368.12	58.70	47.14	47.34	0.20	Pumped	0.10	9.90	3320.95	
RW-1	10/01/10	3368.12	58.70	ND	48.55	ND	NA	NA	NA	3319.57	
RW-1	10/06/10	3368.12	58.70	47.11	47.25	0.14	Pumped	0.10	9.90	3320.99	
RW-1	10/06/10	3368.12	58.70	ND	48.50	ND	NA	NA	NA	3319.62	
RW-1	10/13/10	3368.12	58.70	47.16	47.33	0.17	Pumped	<0.25	10.00	3320.93	
RW-1	10/13/10	3368.12	58.70	ND	48.38	ND	NA	NA	NA	3319.74	
RW-1	10/22/10	3368.12	58.70	47.00	47.01	0.01	NA	NA	NA	3321.12	
RW-1	10/27/10	3368.12	58.70	47.00	47.01	0.01	Pumped	0.10	9.90	3321.12	
RW-1	10/27/10	3368.12	58.70	ND	50.10	ND	NA	NA	NA	3318.02	
RW-1	11/03/10	3368.12	58.70	47.05	47.06	0.01	NA	NA	NA	3321.07	
RW-1	11/10/10	3368.12	58.70	ND	46.84	ND	NA	NA	NA	3321.28	
RW-1	11/16/10	3368.12	58.70	ND	46.93	ND	Pumped	0.10	9.90	3321.19	
RW-1	11/16/10	3368.12	58.70	ND	49.57	ND	NA	NA	NA	3318.55	
RW-1	11/24/10	3368.12	58.70	ND	46.86	ND	NA	NA	NA	3321.26	
RW-1	12/01/10	3368.12	58.70	ND	46.80	ND	NA	NA	NA	3321.32	
RW-1	12/08/10	3368.12	58.70	ND	46.87	ND	NA	NA	NA	3321.25	
RW-1	12/15/10	3368.12	58.70	46.98	46.99	0.01	Pumped	0.10	4.90	3321.14	
RW-1	12/15/10	3368.12	58.70	ND	48.79	ND	NA	NA	NA	3319.33	
RW-1	12/21/10	3368.12	58.70	ND	46.50	ND	Pumped	0.10	9.90	3321.62	
RW-1	12/21/10	3368.12	58.70	ND	48.02	ND	NA	NA	NA	3320.10	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-1	01/08/11	3368.12	58.70	ND	46.70	ND	NA	NA	NA	3321.42	
RW-1	01/12/11	3368.12	58.70	ND	46.77	ND	NA	NA	NA	3321.35	
RW-1	01/19/11	3368.12	58.70	ND	46.65	ND	NA	NA	NA	3321.47	
RW-1	01/25/11	3368.12	58.70	ND	46.76	ND	NA	NA	NA	3321.36	
RW-1	02/04/11	3368.12	58.70	ND	46.64	ND	NA	NA	NA	3321.48	
RW-1	02/08/11	3368.12	58.70	ND	46.58	ND	NA	NA	NA	3321.54	
RW-1	02/16/11	3368.12	58.70	ND	46.60	ND	NA	NA	NA	3321.52	
RW-1	02/23/11	3368.12	58.70	ND	46.60	ND	NA	NA	NA	3321.52	
RW-1	03/02/11	3368.12	58.70	ND	46.66	ND	NA	NA	NA	3321.46	
RW-1	03/08/11	3368.12	58.70	Sheen	46.61	Sheen	NA	NA	NA	3321.51	
RW-1	03/16/11	3368.12	58.70	ND	46.61	ND	Pumped	0.10	4.90	3321.51	
RW-1	03/16/11	3368.12	58.70	ND	47.90	ND	NA	NA	NA	3320.22	
RW-1	03/23/11	3368.12	58.70	ND	46.04	ND	NA	NA	NA	3322.08	
RW-1	03/30/11	3368.12	58.70	ND	46.56	ND	NA	NA	NA	3321.56	
RW-1	04/08/11	3368.12	58.70	ND	46.54	ND	NA	NA	NA	3321.58	
RW-1	04/13/11	3368.12	58.70	ND	46.55	ND	NA	NA	NA	3321.57	
RW-1	04/20/11	3368.12	58.70	ND	46.63	ND	NA	NA	NA	3321.49	
RW-1	04/27/11	3368.12	58.70	ND	46.67	ND	NA	NA	NA	3321.45	
RW-1	05/04/11	3368.12	58.70	Sheen	46.56	Sheen	NA	NA	NA	3321.56	
RW-1	05/11/11	3368.12	58.70	ND	46.63	ND	NA	NA	NA	3321.49	
RW-1	05/19/11	3368.12	58.70	ND	46.56	ND	NA	NA	NA	3321.56	
RW-1	05/24/11	3368.12	58.70	Light Sheen	46.56	Light Sheen	NA	NA	NA	3321.56	
RW-1	06/02/11	3368.12	58.70	ND	46.16	ND	NA	NA	NA	3321.96	Sampled
RW-1	06/08/11	3368.12	58.70	ND	48.32	ND	NA	NA	NA	3319.80	
RW-1	06/17/11	3368.12	58.70	ND	46.28	ND	NA	NA	NA	3321.84	
RW-1	06/21/11	3368.12	58.70	ND	48.27	ND	NA	NA	NA	3319.85	
RW-1	06/29/11	3368.12	58.70	ND	46.86	ND	NA	NA	NA	3321.26	
RW-1	07/06/11	3368.12	58.70	Light Sheen	46.91	Light Sheen	NA	NA	NA	3321.21	
RW-1	07/13/11	3368.12	58.70	46.88	46.89	0.01		0.10	4.90	3321.24	
RW-1	07/13/11	3368.12	58.70	ND	47.22	ND	NA	NA	NA	3320.90	
RW-1	07/21/11	3368.12	58.70	ND	46.90	ND	NA	NA	NA	3321.22	
RW-1	07/27/11	3368.12	58.70	ND	46.91	ND	NA	NA	NA	3321.21	
RW-1	08/03/11	3368.12	58.70	ND	46.97	ND	NA	NA	NA	3321.15	
RW-1	08/11/11	3368.12	58.70	ND	46.98	ND	NA	NA	NA	3321.14	
RW-1	08/17/11	3368.12	58.70	Sheen	46.98	Sheen	NA	NA	NA	3321.14	
RW-1	08/24/11	3368.12	58.70	Sheen	47.05	Sheen	NA	NA	NA	3321.07	
RW-1	08/30/11	3368.12	58.70	Sheen	46.99	Sheen	NA	NA	NA	3321.13	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-1	09/07/11	3368.12	58.70	Sheen	47.11	Sheen	NA	NA	NA	3321.01	
RW-1	09/14/11	3368.12	58.70	Sheen	47.08	Sheen	NA	NA	NA	3321.04	
RW-1	09/21/11	3368.12	58.70	Sheen	47.17	Sheen	NA	NA	NA	3320.95	
RW-1	09/28/11	3368.12	58.70	Heavy Sheen	46.09	Heavy Sheen	NA	NA	NA	3322.03	
RW-1	10/05/11	3368.12	58.70	Sheen	47.05	Sheen	NA	NA	NA	3321.07	
RW-1	10/12/11	3368.12	58.70	ND	47.09	ND	NA	NA	NA	3321.03	
RW-1	10/18/11	3368.12	58.70	47.24	47.25	0.01		0.10	9.90	3320.88	
RW-1	10/18/11	3368.12	58.70	ND	48.20	ND	NA	NA	NA	3319.92	
RW-1	10/28/11	3368.12	58.70	46.24	46.25	0.01	NA	NA	NA	3321.88	
RW-1	11/02/11	3368.12	58.70	ND	47.11	ND	NA	NA	NA	3321.01	
RW-1	11/09/11	3368.12	58.70	47.29	47.30	0.01	Hand Bailed	0.10	4.90	3320.83	
RW-1	11/09/11	3368.12	58.70	ND	48.95	ND	NA	NA	NA	3319.17	
RW-1	11/18/11	3368.12	58.70	47.08	47.09	0.01	NA	NA	NA	3321.04	
RW-1	11/23/11	3368.12	58.70	47.20	47.21	0.01	NA	NA	NA	3320.92	
RW-1	11/29/11	3368.12	58.70	47.17	47.18	0.01	NA	NA	NA	3320.95	
RW-1	12/13/11	3368.12	58.70	47.07	47.08	0.01	NA	NA	NA	3321.05	
RW-1	12/20/11	3368.12	58.70	ND	47.15	ND	NA	NA	NA	3320.97	
RW-1	12/27/11	3368.12	58.70	ND	47.16	ND	NA	NA	NA	3320.96	
RW-1	01/04/11	3368.12	58.70	ND	47.19	ND	NA	NA	NA	3320.93	
RW-1	01/13/12	3368.12	58.70	ND	47.12	ND	NA	NA	NA	3321.00	
RW-1	01/18/12	3368.12	58.70	ND	47.10	ND	NA	NA	NA	3321.02	
RW-1	01/27/12	3368.12	58.70	Light Sheen	47.02	Light Sheen	NA	NA	NA	3321.10	
RW-1	02/02/12	3368.12	58.70	Sheen	46.97	Sheen	NA	NA	NA	3321.15	
RW-1	02/08/12	3368.12	58.70	ND	47.12	ND	NA	NA	NA	3321.00	
RW-1	02/15/12	3368.12	58.70	ND	47.08	ND	NA	NA	NA	3321.04	
RW-1	02/23/12	3368.12	58.70	ND	46.90	ND	NA	NA	NA	3321.22	
RW-1	02/29/12	3368.12	58.70	ND	47.03	ND	NA	NA	NA	3321.09	
RW-1	03/06/12	3368.12	58.70	46.96	46.97	0.01	NA	NA	NA	3321.16	
RW-1	03/14/12	3368.12	58.70	ND	47.05	ND	NA	NA	NA	3321.07	
RW-1	03/21/12	3368.12	58.70	ND	46.92	ND	NA	NA	NA	3321.20	
RW-1	03/29/12	3368.12	58.70	ND	46.96	ND	NA	NA	NA	3321.16	
RW-1	04/03/12	3368.12	58.70	ND	46.96	ND	NA	NA	NA	3321.16	
RW-1	04/11/12	3368.12	58.70	ND	46.90	ND	NA	NA	NA	3321.22	
RW-1	04/20/12	3368.12	58.70	ND	47.10	ND	NA	NA	NA	3321.02	
RW-1	04/26/12	3368.12	58.70	ND	47.00	ND	NA	NA	NA	3321.12	
RW-1	05/02/12	3368.12	58.70	ND	47.02	ND	NA	NA	NA	3321.10	
RW-1	05/09/12	3368.12	58.70	Sheen	47.18	Sheen	NA	NA	NA	3320.94	

TABLE 2
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Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-1	05/16/12	3368.12	58.70	ND	47.20	ND	NA	NA	NA	3320.92	
RW-1	05/23/12	3368.12	58.70	47.30	47.41	0.11	NA	NA	NA	3320.80	
RW-1	05/29/12	3368.12	58.70	47.56	47.67	0.11		0.20	9.80	3320.54	
RW-1	05/29/12	3368.12	58.70	ND	49.08	ND	NA	NA	NA	3319.04	
RW-1	06/06/12	3368.12	58.70	47.85	47.86	0.01	NA	NA	NA	3320.27	
RW-1	06/13/12	3368.12	58.70	47.90	47.91	0.01	NA	NA	NA	3320.22	
RW-1	06/19/12	3368.12	58.70	48.00	48.28	0.28		0.10	9.90	3320.08	
RW-1	06/19/12	3368.12	58.70	ND	48.95	ND	NA	NA	NA	3319.17	
RW-1	06/27/12	3368.12	58.70	48.22	48.24	0.02	NA	NA	NA	3319.90	
RW-1	07/05/12	3368.12	58.70	48.41	48.63	0.22	NA	NA	NA	3319.68	
RW-1	07/11/12	3368.12	58.70	48.06	48.56	0.50	NA	NA	10.00	3319.99	
RW-1	07/11/12	3368.12	58.70	ND	49.19	ND	NA	NA	NA	3318.93	
RW-1	07/18/12	3368.12	58.70	48.60	49.30	0.70	NA	NA	10.00	3319.42	
RW-1	07/18/12	3368.12	58.70	ND	51.60	ND	NA	NA	NA	3316.52	
RW-1	07/25/12	3368.12	58.70	48.71	49.16	0.45	NA	Heavy Sheen	10.00	3319.34	
RW-1	07/25/12	3368.12	58.70	ND	50.76	ND	NA	NA	NA	3317.36	
RW-1	07/31/12	3368.12	58.70	48.78	49.52	0.74	NA	0.10	15.00	3319.23	
RW-1	07/31/12	3368.12	58.70	ND	51.96	ND	NA	NA	NA	3316.16	
RW-1	08/08/12	3368.12	58.70	48.80	49.85	1.05	NA	NA	NA	3319.16	
RW-1	08/13/12	3368.12	58.70	48.77	49.91	1.14	NA	2.00	18.00	3319.18	
RW-1	08/13/12	3368.12	58.70	ND	51.00	ND	NA	NA	NA	3317.12	
RW-1	08/20/12	3368.12	58.70	48.84	49.40	0.56	NA	1.00	9.00	3319.20	
RW-1	08/20/12	3368.12	58.70	ND	50.58	ND	NA	NA	NA	3317.54	
RW-1	09/05/12	3368.12	58.70	48.69	50.05	1.36	NA	NA	NA	3319.23	
RW-1	09/12/12	3368.12	58.70	ND	48.66	ND	NA	1.00	9.00	3319.46	
RW-1	09/19/12	3368.12	58.70	48.62	50.10	1.48	NA	1.00	24.00	3319.28	
RW-1	09/19/12	3368.12	58.70	ND	51.70	ND	NA	NA	NA	3316.42	
RW-1	09/25/12	3368.12	58.70	48.66	49.28	0.62	NA	0.10	20.00	3319.37	
RW-1	09/25/12	3368.12	58.70	ND	50.96	ND	NA	NA	NA	3317.16	
RW-1	10/02/12	3368.12	58.70	48.70	49.39	0.69	NA	1.00	14.00	3319.32	
RW-1	10/02/12	3368.12	58.70	ND	49.95	ND	NA	NA	NA	3318.17	
RW-1	10/10/12	3368.12	58.70	48.70	49.40	0.70	NA	0.10	15.00	3319.32	
RW-1	10/10/12	3368.12	58.70	ND	51.22	ND	NA	NA	NA	3316.90	
RW-1	10/16/12	3368.12	58.70	48.48	49.52	1.04	NA	0.50	9.50	3319.48	
RW-1	10/16/12	3368.12	58.70	ND	51.40	ND	NA	NA	NA	3316.72	
RW-1	10/24/12	3368.12	58.70	48.53	49.43	0.90	NA	NA	NA	3319.46	
RW-1	10/30/12	3368.12	58.70	48.55	49.75	1.20	NA	NA	NA	3319.39	

TABLE 2
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Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-1	11/06/12	3368.12	58.70	48.66	49.54	0.88	NA	0.50	19.50	3319.33	
RW-1	11/06/12	3368.12	58.70	ND	51.50	ND	NA	NA	NA	3316.62	
RW-1	11/13/12	3368.12	58.70	48.68	49.92	1.24	NA	0.10	10.00	3319.25	
RW-1	11/13/12	3368.12	58.70	ND	50.33	ND	NA	NA	NA	3317.79	
RW-1	11/19/12	3368.12	58.70	48.74	49.44	0.70	NA	NA	NA	3319.28	
RW-1	12/05/12	3368.12	58.70	48.70	49.95	1.25	NA	0.50	9.50	3319.23	
RW-1	12/05/12	3368.12	58.70	ND	50.18	ND	NA	0.50	9.50	3317.94	
RW-1	12/11/12	3368.12	58.70	48.87	49.50	0.63	NA	NA	NA	3319.16	
RW-1	01/03/13	3368.12	58.70	48.85	50.60	1.75	NA	NA	NA	3319.01	
RW-1	01/16/13	3368.12	58.70	48.80	50.40	1.60	NA	2.00	13.00	3319.08	
RW-1	01/16/13	3368.12	58.70	ND	51.00	ND	NA	NA	NA	3317.12	
RW-1	01/23/13	3368.12	58.70	49.01	49.58	0.57	NA	0.10	15.00	3319.02	
RW-1	01/23/13	3368.12	58.70	ND	50.58	ND	NA	NA	NA	3317.54	
RW-1	01/30/13	3368.12	58.70	49.02	50.00	0.98	NA	0.50	14.50	3318.95	
RW-1	01/30/13	3368.12	58.70	ND	50.68	ND	NA	NA	NA	3317.44	
RW-1	02/07/13	3368.12	58.70	48.97	49.53	0.56	NA	0.10	10.00	3319.07	
RW-1	02/07/13	3368.12	58.70	ND	50.68	ND	NA	NA	NA	3317.44	
RW-1	02/13/13	3368.12	58.70	48.87	49.83	0.96	NA	NA	NA	3319.11	
RW-1	02/28/13	3368.12	58.70	48.81	49.82	1.01	NA	NA	NA	3319.16	Sampled
RW-1	03/20/13	3368.12	58.70	48.40	50.35	1.95	NA	NA	NA	3319.43	
RW-1	03/29/13	3368.12	58.70	48.68	50.88	2.20	NA	1.00	9.00	3319.11	
RW-1	03/29/13	3368.12	58.70	ND	50.89	ND	NA	NA	NA	3317.23	
RW-1	04/03/13	3368.12	58.70	48.80	49.70	0.90	NA	1.00	9.00	3319.19	
RW-1	04/03/13	3368.12	58.70	ND	51.55	ND	NA	NA	NA	3316.57	
RW-1	04/09/13	3368.12	58.70	49.00	50.00	1.00	NA	0.50	14.50	3318.97	
RW-1	04/09/13	3368.12	58.70	ND	51.50	ND	NA	NA	NA	3316.62	
RW-1	05/01/13	3368.12	58.70	49.50	49.88	0.38	NA	0.10	10.00	3318.56	Sheen
RW-1	05/01/13	3368.12	58.70	ND	50.95	ND	NA	NA	NA	3317.17	
RW-1	05/15/13	3368.12	58.70	49.55	49.85	0.30	NA	0.10	10.00	3318.53	
RW-1	05/15/13	3368.12	58.70	ND	50.76	ND	NA	NA	NA	3317.36	
RW-1	05/21/13	3368.12	58.70	49.70	50.35	0.65	NA	NA	NA	3318.32	
RW-1	06/04/13	3368.12	58.70	49.62	50.20	0.58	NA	1.00	9.00	3318.41	
RW-1	06/04/13	3368.12	58.70	ND	52.55	ND	NA	NA	NA	3315.57	
RW-1	06/12/13	3368.12	58.70	49.75	49.93	0.18	NA	NA	NA	3318.34	
RW-1	06/17/13	3368.12	58.70	49.73	49.87	0.14	NA	0.10	10.00	3318.37	
RW-1	06/26/13	3368.12	58.70	49.71	49.98	0.27	NA	0.25	9.75	3318.37	
RW-1	06/26/13	3368.12	58.70	ND	53.32	ND	NA	NA	NA	3314.80	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-1	07/03/13	3368.12	58.70	49.75	50.10	0.35	NA	NA	NA	3318.32	
RW-1	07/10/13	3368.12	58.70	49.82	50.25	0.43	NA	NA	NA	3318.24	
RW-1	07/23/13	3368.12	58.70	49.68	50.22	0.54	NA	0.25	4.75	3318.36	
RW-1	07/30/13	3368.12	58.70	49.68	49.73	0.05	NA	0.50	9.50	3318.43	
RW-1	08/07/13	3368.12	58.70	49.70	50.27	0.57	NA	0.50	9.50	3318.33	
RW-1	08/14/13	3368.12	58.70	49.81	50.11	0.30	NA	NA	NA	3318.27	
RW-1	08/21/13	3368.12	58.70	49.82	50.25	0.43	NA	0.50	9.50	3318.24	
RW-1	08/28/13	3368.12	58.70	49.84	50.34	0.50	NA	0.50	9.50	3318.21	
RW-1	09/06/13	3368.12	58.70	49.87	49.88	0.01	NA	NA	NA	3318.25	
RW-1	09/10/13	3368.12	58.70	49.84	49.85	0.01	NA	NA	NA	3318.28	
RW-1	09/21/13	3368.12	58.70	49.80	50.12	0.32	NA	NA	NA	3318.27	
RW-1	09/28/13	3368.12	58.70	49.83	50.20	0.37	NA	NA	NA	3318.23	
RW-1	10/02/13	3368.12	58.70	49.90	50.25	0.35	NA	NA	NA	3318.17	
RW-1	10/11/13	3368.12	58.70	49.90	50.50	0.60	NA	NA	NA	3318.13	
RW-1	10/16/13	3368.12	58.70	49.92	49.98	0.06	NA	0.50	9.50	3318.19	
RW-1	10/30/13	3368.12	58.70	49.97	50.80	0.83	NA	0.50	9.50	3318.03	
RW-1	11/07/13	3368.12	58.70	50.03	50.22	0.19	NA	NA	NA	3318.06	
RW-1	11/13/13	3368.12	58.70	50.18	50.38	0.20	NA	NA	NA	3317.91	
RW-1	11/20/13	3368.12	58.70	50.06	50.20	0.14	NA	NA	NA	3318.04	
RW-1	11/27/13	3368.12	58.70	50.16	50.56	0.40	NA	NA	NA	3317.90	
RW-1	12/11/13	3368.12	58.70	50.30	50.82	0.52	NA	NA	NA	3317.74	
RW-1	12/17/13	3368.12	58.70	50.30	50.42	0.12	NA	NA	NA	3317.80	
RW-2	12/21/05	3368.32	60.02	ND	46.85	ND	NA	NA	NA	3321.47	Installed Sock
RW-2	12/29/05	3368.32	NG	ND	46.63	ND	NA	NA	NA	3321.69	Sock
RW-2	01/05/06	3368.32	NG	ND	46.94	ND	NA	NA	NA	3321.38	Sock
RW-2	02/09/06	3368.32	NG	ND	46.71	ND	NA	NA	NA	3321.61	Sock
RW-2	02/22/06	3368.32	NG	ND	46.68	ND	NA	NA	NA	3321.64	Sock
RW-2	03/28/06	3368.32	NG	ND	46.45	ND		0.10	0.00	3321.87	Sock
RW-2	04/13/06	3368.32	NG	ND	46.93	ND		0.10	0.00	3321.39	Sock
RW-2	04/25/06	3368.32	NG	ND	47.12	ND		0.10	0.00	3321.20	Sock
RW-2	05/11/06	3368.32	NG	ND	47.13	ND		0.10	0.00	3321.19	Sock
RW-2	05/24/06	3368.32	NG	ND	47.12	ND		0.10	0.00	3321.20	Sock
RW-2	06/07/06	3368.32	NG	ND	47.00	ND		0.10	4.90	3321.32	Sock
RW-2	06/07/06	3368.32	NG	ND	47.38	ND		0.10	0.00	3320.94	Sock
RW-2	06/15/06	3368.32	NG	ND	47.23	ND		0.10	0.00	3321.09	Sock
RW-2	06/29/06	3368.32	NG	ND	47.55	ND		0.10	0.00	3320.77	Sock

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								PSH	H ₂ O		
RW-2	07/11/06	3368.32	NG	ND	47.56	ND		0.10	0.00	3320.76	Sock
RW-2	07/25/06	3368.32	NG	ND	47.55	ND		0.10	0.00	3320.77	Sock
RW-2	08/09/06	3368.32	59.00	ND	47.78	ND	NA	NA	NA	3320.54	Sock
RW-2	08/22/06	3368.32	NG	ND	47.81	ND		0.00	10.00	3320.51	New Sock
RW-2	08/22/06	3368.32	NG	ND	47.90	ND	NA	NA	NA	3320.42	
RW-2	09/12/06	3368.32	58.80	ND	47.79	ND		NA	NA	3320.53	New Sock
RW-2	09/19/06	3368.32	NG	ND	47.62	ND		0.10	0.00	3320.70	
RW-2	10/03/06	3368.32	NG	ND	47.56	ND	Hand Bailed	0.10	9.90	3320.76	
RW-2	10/03/06	3368.32	NG	ND	48.60	ND		NA	NA	3319.72	Sock
RW-2	10/17/06	3368.32	NG	ND	47.45	ND	Hand Bailed	0.10	4.90	3320.87	
RW-2	10/17/06	3368.32	NG	ND	48.18	ND		NA	NA	3320.14	Sock
RW-2	10/31/06	3368.32	NG	ND	47.53	ND	Hand Bailed	0.10	4.90	3320.79	
RW-2	10/31/06	3368.32	NG	ND	48.40	ND	NA	NA	NA	3319.92	Sock
RW-2	11/15/06	3368.32	NG	ND	47.55	ND	NA	NA	NA	3320.77	
RW-2	12/06/06	3368.32	NG	ND	47.40	ND	NA	NA	NA	3320.92	Sock
RW-2	12/13/06	3368.32	NG	ND	47.44	ND	Hand Bailed	0.10	4.90	3320.88	
RW-2	12/13/06	3368.32	NG	ND	48.52	ND	NA	NA	NA	3319.80	Sock
RW-2	12/27/06	3368.32	NG	ND	47.20	ND	NA	NA	NA	3321.12	Sock
RW-2	01/03/07	3368.32	NG	ND	47.28	ND	NA	NA	NA	3321.04	Sock
RW-2	01/09/07	3368.32	NG	ND	47.43	ND	NA	NA	NA	3320.89	Sock
RW-2	01/18/07	3368.32	NG	ND	47.26	ND	Hand Bailed	0.10	9.90	3321.06	
RW-2	01/18/07	3368.32	NG	ND	48.25	ND	NA	NA	NA	3320.07	Sock
RW-2	01/25/07	3368.32	NG	ND	47.17	ND	NA	NA	NA	3321.15	Sock
RW-2	01/31/07	3368.32	NG	ND	46.98	ND	NA	NA	NA	3321.34	Sock
RW-2	02/07/07	3368.32	NG	ND	47.05	ND	NA	NA	NA	3321.27	Sock
RW-2	02/14/07	3368.32	NG	ND	47.08	ND	NA	NA	NA	3321.24	Sock
RW-2	02/21/07	3368.32	NG	ND	47.40	ND	NA	NA	NA	3320.92	Sock
RW-2	03/07/07	3368.32	NG	ND	47.15	ND	NA	NA	NA	3321.17	Sock
RW-2	03/14/07	3368.32	NG	ND	47.21	ND	NA	NA	NA	3321.11	Sock
RW-2	03/21/07	3368.32	NG	ND	47.18	ND	NA	NA	NA	3321.14	Sock
RW-2	03/28/07	3368.32	NG	ND	47.13	ND	NA	NA	NA	3321.19	Sock
RW-2	04/04/07	3368.32	NG	ND	47.35	ND	NA	NA	NA	3320.97	Sock
RW-2	04/10/07	3368.32	NG	ND	47.32	ND	NA	NA	NA	3321.00	Sock
RW-2	04/18/07	3368.32	NG	ND	47.20	ND	NA	NA	NA	3321.12	Sock
RW-2	04/24/07	3368.32	NG	ND	47.12	ND	NA	NA	NA	3321.20	Sock
RW-2	05/03/07	3368.32	NG	ND	47.14	ND	NA	NA	NA	3321.18	Sock
RW-2	05/03/07	3368.32	NG	ND	48.25	ND	NA	NA	NA	3320.07	Sock

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								PSH	H ₂ O		
RW-2	05/11/07	3368.32	NG	ND	47.18	ND	NA	NA	NA	3321.14	Sock
RW-2	05/16/07	3368.32	NG	ND	47.18	ND	NA	NA	NA	3321.14	Sock
RW-2	05/23/07	3368.32	NG	ND	46.94	ND	NA	NA	NA	3321.38	Flipped Sock
RW-2	06/06/07	3368.32	58.95	ND	46.87	ND	NA	NA	NA	3321.45	Sock
RW-2	06/13/07	3368.32	58.95	ND	46.97	ND	NA	NA	NA	3321.35	Sock
RW-2	06/19/07	3368.32	58.95	ND	46.98	ND	NA	NA	NA	3321.34	New Sock
RW-2	06/27/07	3368.32	58.95	ND	47.01	ND	NA	NA	NA	3321.31	Sock
RW-2	07/05/07	3368.32	59.00	ND	47.04	ND	NA	NA	NA	3321.28	Sock
RW-2	07/11/07	3368.32	59.00	ND	47.03	ND	NA	NA	NA	3321.29	Sock
RW-2	07/19/07	3368.32	59.00	ND	47.13	ND	NA	NA	NA	3321.19	Removed Sock
RW-2	07/24/07	3368.32	59.00	ND	47.19	ND	NA	NA	NA	3321.13	No Sock
RW-2	07/31/07	3368.32	59.01	ND	47.21	ND	NA	NA	NA	3321.11	Installed Sock
RW-2	08/09/07	3368.32	59.01	ND	47.30	ND	NA	NA	NA	3321.02	Sock
RW-2	08/16/07	3368.32	59.01	ND	47.29	ND	NA	NA	NA	3321.03	Sock
RW-2	08/22/07	3368.32	59.01	ND	47.18	ND	NA	NA	NA	3321.14	Sock
RW-2	08/28/07	3368.32	59.01	ND	47.30	ND	NA	NA	NA	3321.02	Sock
RW-2	09/07/07	3368.32	59.01	ND	47.33	ND	NA	NA	NA	3320.99	Sock
RW-2	09/13/07	3368.32	59.01	ND	47.30	ND	NA	NA	NA	3321.02	Sock
RW-2	09/18/07	3368.32	59.01	ND	47.28	ND	NA	NA	NA	3321.04	Sock
RW-2	09/26/07	3368.32	59.01	ND	47.33	ND	NA	NA	NA	3320.99	Sock
RW-2	10/04/07	3368.32	59.01	ND	47.39	ND	NA	NA	NA	3320.93	Sock
RW-2	10/10/07	3368.32	59.01	ND	47.33	ND	NA	NA	NA	3320.99	Sock
RW-2	10/17/07	3368.32	59.01	ND	47.32	ND	NA	NA	NA	3321.00	Sock
RW-2	10/24/07	3368.32	59.01	ND	47.42	ND	NA	NA	NA	3320.90	Sock
RW-2	10/31/07	3368.32	59.01	ND	47.30	ND	NA	NA	NA	3321.02	Sock
RW-2	11/07/07	3368.32	59.01	ND	47.33	ND	NA	NA	NA	3320.99	Sock
RW-2	11/13/07	3368.32	59.01	ND	47.30	ND	NA	NA	NA	3321.02	Sock
RW-2	11/20/07	3368.32	59.01	ND	47.35	ND	NA	NA	NA	3320.97	Sock
RW-2	11/27/07	3368.32	59.01	ND	47.33	ND	NA	NA	NA	3320.99	Sock
RW-2	12/05/07	3368.32	59.01	ND	47.26	ND	NA	NA	NA	3321.06	Sock
RW-2	12/12/07	3368.32	59.01	ND	47.21	ND	NA	NA	NA	3321.11	Sock
RW-2	12/18/07	3368.32	59.01	ND	47.24	ND	NA	NA	NA	3321.08	Sock
RW-2	12/28/07	3368.32	59.01	ND	47.21	ND	NA	NA	NA	3321.11	Sock
RW-2	01/03/08	3368.32	59.01	ND	47.28	ND	NA	NA	NA	3321.04	Sock
RW-2	01/09/08	3368.32	59.01	ND	47.18	ND	NA	NA	NA	3321.14	Sock
RW-2	01/17/08	3368.32	59.01	ND	47.15	ND	NA	NA	NA	3321.17	Sock
RW-2	01/23/08	3368.32	59.01	ND	47.15	ND	NA	NA	NA	3321.17	Sock

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								PSH	H ₂ O		
RW-2	01/30/08	3368.32	59.01	ND	47.00	ND	NA	NA	NA	3321.32	New Sock
RW-2	02/06/08	3368.32	59.01	ND	47.12	ND	NA	NA	NA	3321.20	Sock
RW-2	02/13/08	3368.32	59.01	ND	47.05	ND	NA	NA	NA	3321.27	Sock
RW-2	02/19/08	3368.32	59.01	ND	47.17	ND	NA	NA	NA	3321.15	Sock
RW-2	02/19/08	3368.32	59.01	ND	48.73	ND	Hand Bailed	0.00	10.00	3319.59	
RW-2	02/27/08	3368.32	59.01	ND	47.21	ND	NA	NA	NA	3321.11	Sock
RW-2	03/04/08	3368.32	59.01	ND	47.46	ND	NA	NA	NA	3320.86	Sock
RW-2	03/12/08	3368.32	59.01	ND	47.08	ND	NA	NA	NA	3321.24	Sock
RW-2	03/19/08	3368.32	59.01	ND	47.09	ND	NA	NA	NA	3321.23	Sock
RW-2	03/26/08	3368.32	59.01	ND	47.18	ND	NA	NA	NA	3321.14	Sock
RW-2	04/02/08	3368.32	59.01	ND	47.17	ND	NA	NA	NA	3321.15	Sock
RW-2	04/09/08	3368.32	59.01	ND	47.10	ND	NA	NA	NA	3321.22	Sock
RW-2	04/16/08	3368.32	59.01	ND	47.15	ND	NA	NA	NA	3321.17	Sock
RW-2	04/24/08	3368.32	59.01	ND	47.18	ND	NA	NA	NA	3321.14	Sock
RW-2	04/30/08	3368.32	59.01	ND	47.17	ND	NA	NA	NA	3321.15	Sock
RW-2	05/07/08	3368.32	59.01	ND	47.22	ND	NA	NA	NA	3321.10	Sock
RW-2	05/14/08	3368.32	59.01	ND	47.34	ND	NA	NA	NA	3320.98	New Sock
RW-2	05/20/08	3368.32	59.01	ND	47.43	ND	NA	NA	NA	3320.89	Sock
RW-2	05/28/08	3368.32	59.01	ND	47.48	ND	NA	NA	NA	3320.84	Sock
RW-2	06/04/08	3368.32	59.01	ND	47.50	ND	NA	NA	NA	3320.82	Sock
RW-2	06/11/08	3368.32	59.01	ND	47.54	ND	NA	NA	NA	3320.78	Sock
RW-2	06/18/08	3368.32	59.01	ND	47.59	ND	NA	NA	NA	3320.73	Sock
RW-2	06/26/08	3368.32	59.01	ND	47.53	ND	NA	NA	NA	3320.79	Sock
RW-2	07/02/08	3368.32	59.01	ND	47.52	ND	NA	NA	NA	3320.80	Sock
RW-2	07/07/08	3368.32	59.01	ND	47.55	ND	NA	NA	NA	3320.77	Sock
RW-2	07/16/08	3368.32	59.01	ND	47.60	ND	NA	NA	NA	3320.72	Sock
RW-2	07/22/08	3368.32	59.01	ND	47.63	ND	NA	NA	NA	3320.69	Sock
RW-2	07/29/08	3368.32	59.01	ND	47.66	ND	NA	NA	NA	3320.66	Sock
RW-2	08/06/08	3368.32	59.01	ND	47.72	ND	NA	NA	NA	3320.60	Sock
RW-2	08/13/08	3368.32	59.01	ND	47.84	ND	NA	NA	NA	3320.48	Flipped Sock
RW-2	08/20/08	3368.32	59.01	ND	47.79	ND	NA	NA	NA	3320.53	Sock
RW-2	08/27/08	3368.32	59.01	ND	47.81	ND	NA	NA	NA	3320.51	Sock
RW-2	09/02/08	3368.32	59.01	ND	47.86	ND	NA	NA	NA	3320.46	Sock
RW-2	09/09/08	3368.32	59.01	ND	47.90	ND	NA	NA	NA	3320.42	Sock
RW-2	09/17/08	3368.32	59.01	ND	48.01	ND	NA	NA	NA	3320.31	Sock
RW-2	09/24/08	3368.32	59.01	ND	48.15	ND	NA	NA	NA	3320.17	Sock
RW-2	10/01/08	3368.32	59.01	ND	48.17	ND	NA	NA	NA	3320.15	Sock

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								PSH	H ₂ O		
RW-2	10/15/08	3368.32	59.01	ND	47.87	ND	NA	NA	NA	3320.45	Sock
RW-2	10/22/08	3368.32	59.01	47.89	47.96	0.07	Pumped	0.50	19.50	3320.42	
RW-2	10/22/08	3368.32	59.01	48.37	48.38	0.01	NA	NA	NA	3319.95	
RW-2	10/29/08	3368.32	59.01	47.92	48.05	0.13	Pumped	0.50	10.00	3320.38	
RW-2	10/29/08	3368.32	59.01	ND	47.68	ND	NA	NA	NA	3320.64	
RW-2	11/05/08	3368.32	59.01	47.73	47.84	0.11	Pumped	0.00	20.00	3320.57	
RW-2	11/05/08	3368.32	59.01	48.39	48.40	0.01	NA	NA	NA	3319.93	
RW-2	11/12/08	3368.32	59.01	47.96	48.22	0.26	Pumped	0.50	12.50	3320.32	
RW-2	11/12/08	3368.32	59.01	ND	48.02	ND	NA	NA	NA	3320.30	
RW-2	11/20/08	3368.32	59.01	48.01	48.51	0.50	Pumped	1.00	9.00	3320.24	New Sock
RW-2	11/20/08	3368.32	59.01	ND	48.89	ND	NA	NA	NA	3319.43	
RW-2	11/26/08	3368.32	59.01	ND	48.04	ND	Pumped	0.00	10.00	3320.28	New Sock
RW-2	11/26/08	3368.32	59.01	ND	48.09	ND	NA	NA	NA	3320.23	
RW-2	12/03/08	3368.32	59.01	48.07	48.19	0.12	Pumped	0.25	9.75	3320.23	
RW-2	12/03/08	3368.32	59.01	ND	48.22	ND	NA	NA	NA	3320.10	
RW-2	12/10/08	3368.32	59.01	ND	48.12	ND	Pumped	0.00	10.00	3320.20	
RW-2	12/10/08	3368.32	59.01	ND	48.14	ND	NA	NA	NA	3320.18	
RW-2	12/17/08	3368.32	59.01	ND	48.09	ND	Pumped	0.00	10.00	3320.23	
RW-2	12/17/08	3368.32	59.01	ND	48.82	ND	NA	NA	NA	3319.50	
RW-2	12/21/08	3368.32	59.01	48.36	48.60	0.24	Pumped	0.25	10.00	3319.92	
RW-2	12/21/08	3368.32	59.01	ND	49.15	ND	NA	NA	NA	3319.17	
RW-2	12/31/08	3368.32	59.01	47.93	48.59	0.66	Pumped	0.50	14.50	3320.29	
RW-2	12/31/08	3368.32	59.01	ND	48.43	ND	NA	NA	NA	3319.89	
RW-2	01/07/09	3368.32	58.98	47.84	48.50	0.66	Hand bail	2.00	8.00	3320.38	
RW-2	01/07/09	3368.32	58.98	48.86	48.87	0.01	NA	NA	NA	3319.46	
RW-2	01/15/09	3368.32	58.98	47.96	48.77	0.81	Pumped	0.50	9.50	3320.24	
RW-2	01/15/09	3368.32	58.98	ND	48.33	ND	NA	NA	NA	3319.99	
RW-2	01/22/09	3368.32	58.98	47.81	48.53	0.72	Pumped	0.50	14.50	3320.40	
RW-2	01/22/09	3368.32	58.98	ND	48.25	ND	NA	NA	NA	3320.07	
RW-2	01/28/09	3368.32	58.98	47.88	48.57	0.69	Pumped	2.00	13.00	3320.34	
RW-2	01/28/09	3368.32	58.98	ND	48.29	ND	NA	NA	NA	3320.03	
RW-2	02/04/09	3368.32	58.98	47.96	48.67	0.71	Hand Bailed	0.25	9.75	3320.25	
RW-2	02/04/09	3368.32	58.98	48.23	48.32	0.09	NA	NA	NA	3320.08	
RW-2	02/11/09	3368.32	58.98	47.96	48.83	0.87	Hand Bailed	0.75	19.25	3320.23	
RW-2	02/11/09	3368.32	58.98	ND	48.24	ND	NA	NA	NA	3320.08	
RW-2	02/18/09	3368.32	58.98	47.90	48.81	0.91	Pumped	0.25	19.75	3320.28	
RW-2	02/18/09	3368.32	58.98	ND	49.33	ND	NA	NA	NA	3318.99	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-2	02/25/09	3368.32	58.98	47.82	48.60	0.78	Pumped	0.50	22.50	3320.38	
RW-2	02/25/09	3368.32	58.98	ND	48.21	ND	NA	NA	NA	3320.11	
RW-2	03/04/09	3368.32	58.98	47.78	48.61	0.83	Pumped	1.00	14.00	3320.42	
RW-2	03/11/09	3368.32	58.98	47.90	48.81	0.91	NA	NA	NA	3320.28	
RW-2	03/11/09	3368.32	58.98	47.63	47.64	0.01	Pumped	1.00	16.00	3320.69	
RW-2	03/18/09	3368.32	58.98	47.73	48.62	0.89	NA	NA	NA	3320.46	
RW-2	03/18/09	3368.32	58.98	ND	48.09	ND	Pumped	0.25	19.75	3320.23	
RW-2	03/25/09	3368.32	58.98	47.68	48.54	0.86	NA	NA	NA	3320.51	
RW-2	03/25/09	3368.32	58.98	48.33	48.34	0.01	Pumped	3.00	19.00	3319.99	
RW-2	04/01/09	3368.32	58.98	47.58	48.20	0.62	NA	NA	NA	3320.65	
RW-2	04/08/09	3368.32	58.98	47.27	48.64	1.37	NA	NA	NA	3320.84	
RW-2	04/08/09	3368.32	58.98	ND	48.18	ND	Pumped	1.00	19.00	3320.14	
RW-2	04/15/09	3368.32	58.98	47.63	48.42	0.79	NA	NA	NA	3320.57	
RW-2	04/15/09	3368.32	58.98	ND	49.78	ND	Pumped	1.00	19.00	3318.54	
RW-2	04/22/09	3368.32	58.98	47.61	48.69	1.08	NA	NA	NA	3320.55	
RW-2	04/22/09	3368.32	58.98	ND	48.60	ND	Pumped	1.00	19.00	3319.72	
RW-2	04/29/09	3368.32	58.98	47.66	48.42	0.76	NA	NA	NA	3320.55	
RW-2	04/29/09	3368.32	58.98	ND	48.14	ND	Pumped	1.00	19.00	3320.18	
RW-2	05/06/09	3368.32	58.98	47.76	48.53	0.77	NA	NA	NA	3320.44	
RW-2	05/06/09	3368.32	58.98	ND	48.59	ND	Pumped	1.00	19.00	3319.73	
RW-2	05/14/09	3368.32	58.98	47.90	48.76	0.86	NA	NA	NA	3320.29	
RW-2	05/14/09	3368.32	58.98	ND	48.87	ND	Pumped	1.00	19.00	3319.45	
RW-2	05/20/09	3368.32	58.98	47.96	48.64	0.68	Pumped	1.00	19.00	3320.26	
RW-2	05/28/09	3368.32	58.98	47.92	48.73	0.81	NA	NA	NA	3320.28	
RW-2	05/28/09	3368.32	58.98	ND	48.79	ND	Pumped	1.00	19.00	3319.53	
RW-2	06/03/09	3368.32	58.98	47.88	49.01	1.13	NA	NA	NA	3320.27	
RW-2	06/03/09	3368.32	58.98	ND	49.43	ND	Pumped	1.00	19.00	3318.89	
RW-2	06/11/09	3368.32	58.98	47.85	48.93	1.08	NA	NA	NA	3320.31	
RW-2	06/11/09	3368.32	58.98	ND	48.90	ND	Pumped	1.00	19.00	3319.42	
RW-2	06/17/09	3368.32	58.98	47.73	49.00	1.27	NA	NA	NA	3320.40	
RW-2	06/17/09	3368.32	58.98	ND	48.98	ND	Pumped	2.00	18.00	3319.34	
RW-2	06/23/09	3368.32	58.98	47.82	48.62	0.80	NA	NA	NA	3320.38	
RW-2	06/23/09	3368.32	58.98	ND	48.88	ND	Pumped	1.00	9.00	3319.44	
RW-2	07/01/09	3368.32	58.98	47.76	48.72	0.96	NA	NA	NA	3320.42	
RW-2	07/01/09	3368.32	58.98	ND	48.72	ND	Pumped	2.00	13.00	3319.60	
RW-2	07/07/09	3368.32	58.98	47.72	48.47	0.75	NA	NA	NA	3320.49	
RW-2	07/07/09	3368.32	58.98	ND	49.50	ND	NA	NA	NA	3318.82	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-2	07/15/09	3368.32	58.98	47.68	48.76	1.08	Pumped	2.00	8.00	3320.48	
RW-2	07/15/09	3368.32	58.98	ND	50.20	ND	NA	NA	NA	3318.12	
RW-2	07/29/09	3368.32	58.98	47.62	48.66	1.04	Pumped	1.00	19.00	3320.54	
RW-2	07/29/09	3368.32	58.98	ND	49.10	ND	NA	NA	NA	3319.22	
RW-2	08/05/09	3368.32	58.98	47.69	48.46	0.77	Pumped	1.00	14.00	3320.51	
RW-2	08/05/09	3368.32	58.98	ND	50.36	ND	NA	NA	NA	3317.96	
RW-2	08/12/09	3368.32	58.98	47.65	48.34	0.69	Pumped	0.50	14.50	3320.57	
RW-2	08/12/09	3368.32	58.98	ND	48.71	ND	NA	NA	NA	3319.61	
RW-2	08/19/09	3368.32	58.98	47.61	48.07	0.46	Pumped	0.50	14.50	3320.64	
RW-2	08/19/09	3368.32	58.98	ND	49.78	ND	NA	NA	NA	3318.54	
RW-2	08/27/09	3368.32	58.98	47.64	48.14	0.50	Pumped	0.50	14.50	3320.61	
RW-2	08/27/09	3368.32	58.98	ND	48.91	ND	NA	NA	NA	3319.41	
RW-2	09/02/09	3368.32	58.98	47.65	48.16	0.51	Pumped	1.00	14.00	3320.59	
RW-2	09/02/09	3368.32	58.98	ND	48.55	ND	NA	NA	NA	3319.77	
RW-2	09/09/09	3368.32	58.98	47.64	48.13	0.49	Pumped	0.25	14.75	3320.61	
RW-2	09/09/09	3368.32	58.98	ND	48.23	ND	NA	NA	NA	3320.09	
RW-2	09/16/09	3368.32	58.98	47.69	48.28	0.59	Pumped	0.50	14.50	3320.54	
RW-2	09/16/09	3368.32	58.98	ND	48.31	ND	NA	NA	NA	3320.01	
RW-2	09/23/09	3368.32	58.98	47.68	48.10	0.42	Pumped	0.50	9.50	3320.58	
RW-2	09/23/09	3368.32	58.98	ND	49.44	ND	NA	NA	NA	3318.88	
RW-2	09/23/09	3368.32	58.98	47.71	47.72	0.01	Pumped	0.00	10.00	3320.61	
RW-2	09/23/09	3368.32	58.98	ND	49.80	ND	NA	NA	NA	3318.52	
RW-2	09/30/09	3368.32	58.98	47.61	47.90	0.29	Pumped	0.25	9.75	3320.67	
RW-2	09/30/09	3368.32	58.98	ND	48.52	ND	NA	NA	NA	3319.80	
RW-2	09/30/09	3368.32	58.98	47.58	47.62	0.04	Pumped	0.25	9.75	3320.73	
RW-2	09/30/09	3368.32	58.98	ND	48.75	ND	NA	NA	NA	3319.57	
RW-2	10/07/09	3368.32	58.98	47.67	48.04	0.37	Pumped	0.25	9.75	3320.59	
RW-2	10/07/09	3368.32	58.98	ND	48.72	ND	NA	NA	NA	3319.60	
RW-2	10/07/09	3368.32	58.98	47.63	47.65	0.02	Pumped	0.10	9.90	3320.69	
RW-2	10/07/09	3368.32	58.98	ND	49.14	ND	NA	NA	NA	3319.18	
RW-2	10/14/09	3368.32	58.98	47.65	47.95	0.30	Pumped	0.50	9.50	3320.63	
RW-2	10/14/09	3368.32	58.98	ND	48.96	ND	NA	NA	NA	3319.36	
RW-2	10/14/09	3368.32	58.98	47.61	47.64	0.03	Pumped	0.10	9.90	3320.71	
RW-2	10/14/09	3368.32	58.98	ND	48.75	ND	NA	NA	NA	3319.57	
RW-2	10/21/09	3368.32	58.98	47.62	47.83	0.21	Pumped	0.50	9.50	3320.67	
RW-2	10/21/09	3368.32	58.98	ND	48.62	ND	NA	NA	NA	3319.70	
RW-2	10/28/09	3368.32	58.98	47.55	47.73	0.18	Pumped	0.25	19.75	3320.74	

TABLE 2
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-2	10/28/09	3368.32	58.98	ND	48.98	ND	NA	NA	NA	3319.34	
RW-2	11/04/09	3368.32	58.98	47.80	48.21	0.41	Pumped	0.50	9.50	3320.46	
RW-2	11/04/09	3368.32	58.98	ND	48.33	ND	NA	NA	NA	3319.99	
RW-2	11/04/09	3368.32	58.98	47.81	47.83	0.02	Pumped	0.00	10.00	3320.51	
RW-2	11/04/09	3368.32	58.98	ND	48.86	ND	NA	NA	NA	3319.46	
RW-2	11/11/09	3368.32	58.98	47.79	48.18	0.39	Pumped	0.50	9.50	3320.47	
RW-2	11/11/09	3368.32	58.98	ND	48.92	ND	NA	NA	NA	3319.40	
RW-2	11/11/09	3368.32	58.98	47.76	47.80	0.04	Pumped	0.10	9.90	3320.55	
RW-2	11/11/09	3368.32	58.98	ND	48.60	ND	NA	NA	NA	3319.72	
RW-2	11/18/09	3368.32	58.98	47.65	47.85	0.20	Pumped	0.25	20.00	3320.64	
RW-2	11/18/09	3368.32	58.98	ND	48.58	ND	NA	NA	NA	3319.74	
RW-2	11/25/09	3368.32	58.98	47.80	48.20	0.40	Pumped	0.50	9.50	3320.46	
RW-2	11/25/09	3368.32	58.98	ND	48.38	ND	NA	NA	NA	3319.94	
RW-2	12/02/09	3368.32	58.98	47.77	48.17	0.40	Pumped	0.25	19.75	3320.49	
RW-2	12/02/09	3368.32	58.98	ND	49.67	ND	NA	NA	NA	3318.65	
RW-2	12/09/09	3368.32	58.98	47.79	48.11	0.32	Pumped	0.25	19.75	3320.48	
RW-2	12/09/09	3368.32	58.98	ND	49.19	ND	NA	NA	NA	3319.13	
RW-2	12/16/09	3368.32	58.98	47.75	48.10	0.35	Pumped	0.10	9.90	3320.52	
RW-2	12/16/09	3368.32	58.98	ND	48.90	ND	NA	NA	NA	3319.42	
RW-2	12/23/09	3368.32	58.98	47.58	47.66	0.08	Pumped	0.25	14.75	3320.73	
RW-2	12/23/09	3368.32	58.98	ND	48.15	ND	NA	NA	NA	3320.17	
RW-2	12/30/09	3368.32	58.98	47.67	47.75	0.08	Pumped	0.10	14.90	3320.64	
RW-2	12/30/09	3368.32	58.98	ND	48.93	ND	NA	NA	NA	3319.39	
RW-2	01/06/10	3368.32	58.98	47.55	47.63	0.08	Pumped	0.10	14.90	3320.76	
RW-2	01/06/10	3368.32	58.98	ND	48.36	ND	NA	NA	NA	3319.96	
RW-2	01/13/10	3368.32	58.98	47.58	47.66	0.08	Pumped	0.10	19.90	3320.73	
RW-2	01/13/10	3368.32	58.98	ND	49.00	ND	Pumped	0.10	9.90	3319.32	
RW-2	01/27/10	3368.32	58.98	47.54	47.57	0.03	NA	NA	NA	3320.78	
RW-2	02/11/10	3368.32	58.98	47.46	47.56	0.10	Pumped	0.10	9.90	3320.85	
RW-2	02/11/10	3368.32	58.98	ND	48.10	ND	NA	NA	NA	3320.22	
RW-2	02/17/10	3368.32	58.98	47.53	47.54	0.01	Pumped	0.10	19.90	3320.79	
RW-2	02/17/10	3368.32	58.98	ND	48.40	ND	NA	NA	NA	3319.92	
RW-2	03/02/10	3368.32	58.98	47.48	47.49	0.01	Pumped	0.10	14.90	3320.84	
RW-2	03/02/10	3368.32	58.98	ND	48.62	ND	NA	NA	NA	3319.70	
RW-2	03/10/10	3368.32	58.98	47.38	47.44	0.06	Pumped	0.10	14.90	3320.93	
RW-2	03/10/10	3368.32	58.98	ND	48.05	ND	NA	NA	NA	3320.27	
RW-2	03/17/10	3368.32	58.98	47.53	47.55	0.02	Pumped	0.10	14.90	3320.79	

TABLE 2
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Plains Marketing, L.P.
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-2	03/17/10	3368.32	58.98	ND	48.57	ND	NA	NA	NA	3319.75	
RW-2	03/24/10	3368.32	58.98	47.44	47.46	0.02	Pumped	0.10	19.90	3320.88	
RW-2	03/24/10	3368.32	58.98	ND	48.55	ND	NA	NA	NA	3319.77	
RW-2	03/31/10	3368.32	58.98	47.39	47.44	0.05	Pumped	0.10	14.90	3320.92	
RW-2	03/31/10	3368.32	58.98	ND	47.98	ND	NA	NA	NA	3320.34	
RW-2	04/07/10	3368.32	58.98	47.50	47.52	0.02	NA	NA	NA	3320.82	
RW-2	04/14/10	3368.32	58.98	47.43	47.52	0.09	Pumped	0.10	9.90	3320.88	
RW-2	04/21/10	3368.32	58.98	47.33	47.41	0.08	Pumped	0.25	24.75	3320.98	
RW-2	04/21/10	3368.32	58.98	ND	48.55	ND	NA	NA	NA	3319.77	
RW-2	04/28/10	3368.32	58.98	47.42	47.45	0.03	Pumped	0.10	19.90	3320.90	
RW-2	04/28/10	3368.32	58.98	ND	48.05	ND	NA	NA	NA	3320.27	
RW-2	05/05/10	3368.32	58.98	47.45	47.46	0.01	NA	NA	NA	3320.87	
RW-2	05/11/10	3368.32	58.98	47.40	47.46	0.06	Pumped	0.10	23.90	3320.91	
RW-2	05/11/10	3368.32	58.98	ND	48.72	ND	NA	NA	NA	3319.60	
RW-2	05/19/10	3368.32	58.98	47.45	47.55	0.10	Pumped	0.25	9.75	3320.86	
RW-2	05/19/10	3368.32	58.98	ND	48.33	ND	NA	NA	NA	3319.99	
RW-2	05/29/10	3368.32	58.98	47.48	47.58	0.10	Pumped	0.25	14.75	3320.83	
RW-2	05/29/10	3368.32	58.98	ND	48.15	ND	NA	NA	NA	3320.17	
RW-2	06/02/10	3368.32	58.98	47.45	47.48	0.03	NA	NA	NA	3320.87	
RW-2	06/12/10	3368.32	58.98	47.53	47.65	0.12	Pumped	<0.25	10.00	3320.77	
RW-2	06/12/10	3368.32	58.98	ND	48.48	ND	NA	NA	NA	3319.84	
RW-2	06/15/10	3368.32	58.98	47.48	47.52	0.04	Pumped	<0.25	10.00	3320.83	
RW-2	06/15/10	3368.32	58.98	ND	48.80	ND	NA	NA	NA	3319.52	
RW-2	06/25/10	3368.32	58.98	47.54	47.62	0.08	NA	NA	NA	3320.77	
RW-2	06/30/10	3368.32	58.98	47.56	47.68	0.12		0.00	20.00	3320.74	
RW-2	07/07/10	3368.32	58.98	47.52	47.78	0.26	Pumped	0.25	9.75	3320.76	
RW-2	07/07/10	3368.32	58.98	ND	48.41	ND	NA	NA	NA	3319.91	
RW-2	07/14/10	3368.32	58.98	47.53	47.57	0.04	Pumped	0.10	14.90	3320.78	
RW-2	07/14/10	3368.32	58.98	ND	48.79	ND	NA	NA	NA	3319.53	
RW-2	07/21/10	3368.32	58.98	47.56	47.62	0.06	<0.25	0.10	19.90	3320.75	
RW-2	07/21/10	3368.32	58.98	ND	48.64	ND	NA	NA	NA	3319.68	
RW-2	07/28/10	3368.32	58.98	47.55	47.62	0.07	Pumped	<0.25	15.00	3320.76	
RW-2	07/28/10	3368.32	58.98	ND	48.36	ND	NA	NA	NA	3319.96	
RW-2	08/03/10	3368.32	58.98	47.55	47.56	0.01	Pumped	0.10	9.90	3320.77	
RW-2	08/03/10	3368.32	58.98	ND	48.20	ND	NA	NA	NA	3320.12	
RW-2	08/11/10	3368.32	58.98	47.42	47.48	0.06	Pumped	0.10	14.90	3320.89	
RW-2	08/11/10	3368.32	58.98	ND	48.63	ND	NA	NA	NA	3319.69	

TABLE 2
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-2	08/18/10	3368.32	58.98	47.55	47.61	0.06	Pumped	0.10	14.90	3320.76	
RW-2	08/18/10	3368.32	58.98	ND	49.07	ND	NA	NA	NA	3319.25	
RW-2	08/25/10	3368.32	58.98	47.63	47.69	0.06	Pumped	0.10	19.90	3320.68	
RW-2	08/25/10	3368.32	58.98	ND	48.34	ND	NA	NA	NA	3319.98	
RW-2	09/01/10	3368.32	58.98	47.44	47.49	0.05	Pumped	0.10	19.90	3320.87	
RW-2	09/01/10	3368.32	58.98	ND	48.35	ND	NA	NA	NA	3319.97	
RW-2	09/08/10	3368.32	58.98	47.47	47.51	0.04	Pumped	0.10	14.90	3320.84	
RW-2	09/08/10	3368.32	58.98	ND	49.05	ND	NA	NA	NA	3319.27	
RW-2	09/15/10	3368.32	58.98	47.46	47.55	0.09	Pumped	0.10	9.90	3320.85	
RW-2	09/15/10	3368.32	58.98	ND	48.96	ND	NA	NA	NA	3319.36	
RW-2	09/21/10	3368.32	58.98	47.40	47.43	0.03	Pumped	0.10	19.90	3320.92	
RW-2	09/21/10	3368.32	58.98	ND	48.44	ND	NA	NA	NA	3319.88	
RW-2	10/01/10	3368.32	58.98	47.47	47.51	0.04	Pumped	0.10	14.90	3320.84	
RW-2	10/01/10	3368.32	58.98	ND	48.80	ND	NA	NA	NA	3319.52	
RW-2	10/06/10	3368.32	58.98	47.44	47.45	0.01	Pumped	0.10	19.90	3320.88	
RW-2	10/06/10	3368.32	58.98	ND	49.22	ND	NA	NA	NA	3319.10	
RW-2	10/13/10	3368.32	58.98	47.51	47.53	0.02	Pumped	0.10	14.90	3320.81	
RW-2	10/13/10	3368.32	58.98	ND	49.05	ND	NA	NA	NA	3319.27	
RW-2	10/22/10	3368.32	58.98	47.31	47.34	0.03	Pumped	0.10	19.90	3321.01	
RW-2	10/22/10	3368.32	58.98	ND	48.55	ND	NA	NA	NA	3319.77	
RW-2	10/27/10	3368.32	58.98	47.33	47.35	0.02	Pumped	0.10	14.90	3320.99	
RW-2	10/27/10	3368.32	58.98	ND	47.37	ND	NA	NA	NA	3320.95	
RW-2	11/03/10	3368.32	58.98	47.28	47.40	0.12	Pumped	0.10	14.90	3321.02	
RW-2	11/03/10	3368.32	58.98	ND	48.98	ND	NA	NA	NA	3319.34	
RW-2	11/10/10	3368.32	58.98	47.13	47.15	0.02	Pumped	0.10	14.90	3321.19	
RW-2	11/10/10	3368.32	58.98	ND	48.33	ND	NA	NA	NA	3319.99	
RW-2	11/16/10	3398.32	58.98	47.23	47.25	0.02	NA	NA	NA	3351.09	
RW-2	11/24/10	3398.32	58.98	47.17	47.19	0.02	Pumped	0.10	14.90	3351.15	
RW-2	11/24/10	3398.32	58.98	ND	48.15	ND	NA	NA	NA	3350.17	
RW-2	12/01/10	3398.32	58.98	47.12	47.13	0.01	Pumped	0.10	14.90	3351.20	
RW-2	12/01/10	3398.32	58.98	ND	47.84	ND	NA	NA	NA	3350.48	
RW-2	12/08/10	3398.32	58.98	47.19	47.20	0.01	Pumped	0.10	9.90	3351.13	
RW-2	12/08/10	3398.32	58.98	ND	48.65	ND	NA	NA	NA	3349.67	
RW-2	12/15/10	3398.32	58.98	46.98	46.99	0.01	Pumped	0.10	14.90	3351.34	
RW-2	12/15/10	3398.32	58.98	ND	48.18	ND	NA	NA	NA	3350.14	
RW-2	12/21/10	3398.32	58.98	47.11	47.12	0.01	Pumped	0.10	9.90	3351.21	
RW-2	12/21/10	3398.32	58.98	ND	48.81	ND	NA	NA	NA	3349.51	

TABLE 2
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-2	01/08/11	3398.32	58.98	47.01	47.02	0.01	NA	NA	NA	3351.31	
RW-2	01/12/11	3398.32	58.98	47.09	47.10	0.01	NA	NA	NA	3351.23	
RW-2	01/19/11	3398.32	58.98	46.97	46.99	0.02	Pumped	0.20	14.80	3351.35	
RW-2	01/19/11	3398.32	58.98	ND	47.83	ND	NA	NA	NA	3350.49	
RW-2	01/25/11	3398.32	58.98	47.08	47.09	0.01	Pumped	0.10	9.90	3351.24	
RW-2	01/25/11	3398.32	58.98	ND	48.59	ND	NA	NA	NA	3349.73	
RW-2	02/04/11	3398.32	58.98	46.96	46.97	0.01	NA	NA	NA	3351.36	
RW-2	02/08/11	3398.32	58.98	46.89	46.90	0.01	Pumped	0.10	9.90	3351.43	
RW-2	02/08/11	3398.32	58.98	ND	48.32	ND	NA	NA	NA	3350.00	
RW-2	02/16/11	3398.32	58.98	46.92	46.93	0.01	Pumped	0.10	19.90	3351.40	
RW-2	02/16/11	3398.32	58.98	ND	47.25	ND	NA	NA	NA	3351.07	
RW-2	02/23/11	3398.32	58.98	46.91	46.92	0.01	NA	NA	NA	3351.41	
RW-2	03/02/11	3398.32	58.98	ND	46.95	ND	NA	NA	NA	3351.37	
RW-2	03/08/11	3398.32	58.98	46.93	46.94	0.01	Hand Bailed	0.10	4.90	3351.39	
RW-2	03/08/11	3398.32	58.98	ND	48.25	ND	NA	NA	NA	3350.07	
RW-2	03/16/11	3398.32	58.98	ND	46.93	ND	Hand Bailed	0.10	4.90	3351.39	
RW-2	03/16/11	3398.32	58.98	ND	47.63	ND	NA	NA	NA	3350.69	
RW-2	03/23/11	3398.32	58.98	46.95	46.96	0.01	Hand Bailed	0.10	4.90	3351.37	
RW-2	03/23/11	3398.32	58.98	ND	47.56	ND	NA	NA	NA	3350.76	
RW-2	03/30/11	3398.32	58.98	46.87	46.88	0.01	Pumped	NA	10.00	3351.45	
RW-2	03/30/11	3398.32	58.98	ND	47.35	ND	NA	NA	NA	3350.97	
RW-2	04/08/11	3398.32	58.98	46.86	46.87	0.01	Hand Bailed	0.10	4.90	3351.46	
RW-2	04/08/11	3398.32	58.98	ND	47.91	ND	NA	NA	NA	3350.41	
RW-2	04/13/11	3398.32	58.98	46.76	46.77	0.01	Hand Bailed	0.10	4.90	3351.56	
RW-2	04/13/11	3398.32	58.98	ND	47.01	ND	NA	NA	NA	3351.31	
RW-2	04/20/11	3398.32	58.98	ND	46.95	ND	NA	NA	NA	3351.37	
RW-2	04/27/11	3398.32	58.98	46.98	46.99	0.01	Pumped	0.10	9.90	3351.34	
RW-2	04/27/11	3398.32	58.98	ND	48.46	ND	NA	NA	NA	3349.86	
RW-2	05/04/11	3398.32	58.98	Sheen	46.89	Sheen	Pumped	0.10	9.90	3351.43	
RW-2	05/04/11	3398.32	58.98	ND	48.46	ND	NA	NA	NA	3349.86	
RW-2	05/11/11	3398.32	58.98	Sheen	46.94	Sheen	Pumped	0.10	9.90	3351.38	
RW-2	05/11/11	3398.32	58.98	ND	48.48	ND	NA	NA	NA	3349.84	
RW-2	05/19/11	3398.32	58.98	Heavy Sheen	46.88	Heavy Sheen		0.10	9.90	3351.44	
RW-2	05/19/11	3398.32	58.98	ND	47.50	ND	NA	NA	NA	3350.82	
RW-2	05/24/11	3398.32	58.98	46.89	46.90	0.01		0.10	9.90	3351.43	
RW-2	05/24/11	3398.32	58.98	ND	47.53	ND	NA	NA	NA	3350.79	
RW-2	06/02/11	3398.32	58.98	Sheen	47.08	Sheen	NA	NA	NA	3351.24	Sampled

TABLE 2
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Plains Marketing, L.P.
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-2	06/08/11	3398.32	58.98	Heavy Sheen	47.10	Heavy Sheen		0.10	9.90	3351.22	
RW-2	06/08/11	3398.32	58.98	ND	48.19	ND	NA	NA	NA	3350.13	
RW-2	06/17/11	3398.32	58.98	47.12	47.14	0.02		0.10	9.90	3351.20	
RW-2	06/17/11	3398.32	58.98	ND	48.23	ND	NA	NA	NA	3350.09	
RW-2	06/21/11	3398.32	58.98	Light Sheen	47.01	Light Sheen	NA	NA	NA	3351.31	
RW-2	06/29/11	3398.32	58.98	Sheen	47.18	Sheen		0.10	4.90	3351.14	
RW-2	06/29/11	3398.32	58.98	ND	48.11	ND	NA	NA	NA	3350.21	
RW-2	07/06/11	3398.32	58.98	Light Sheen	47.22	Light Sheen		0.10	9.90	3351.10	
RW-2	07/13/11	3398.32	58.98	Sheen	47.20	Sheen	NA	NA	NA	3351.12	
RW-2	07/21/11	3398.32	58.98	Sheen	47.22	Sheen	NA	NA	NA	3351.10	
RW-2	07/27/11	3398.32	58.98	ND	47.25	ND	NA	NA	NA	3351.07	
RW-2	08/03/11	3398.32	58.98	ND	47.30	ND	NA	NA	NA	3351.02	
RW-2	08/11/11	3398.32	58.98	Light Sheen	47.31	Light Sheen	NA	NA	NA	3351.01	
RW-2	08/17/11	3398.32	58.98	Sheen	47.30	Sheen	NA	NA	NA	3351.02	
RW-2	08/24/11	3398.32	58.98	Sheen	47.38	Sheen	NA	NA	NA	3350.94	
RW-2	08/30/11	3398.32	58.98	Sheen	47.32	Sheen	NA	NA	NA	3351.00	
RW-2	09/07/11	3398.32	58.98	Sheen	47.44	Sheen	NA	NA	NA	3350.88	
RW-2	09/14/11	3398.32	58.98	Sheen	47.42	Sheen	NA	NA	NA	3350.90	
RW-2	09/21/11	3398.32	58.98	Light Sheen	47.45	Light Sheen	NA	NA	NA	3350.87	
RW-2	09/28/11	3398.32	58.98	Light Sheen	47.41	Light Sheen	NA	NA	NA	3350.91	
RW-2	10/05/11	3398.32	58.98	Light Sheen	47.38	Light Sheen	NA	NA	NA	3350.94	
RW-2	10/12/11	3398.32	58.98	ND	47.42	ND	NA	NA	NA	3350.90	
RW-2	10/18/11	3398.32	58.98	ND	47.55	ND	NA	NA	NA	3350.77	
RW-2	10/28/11	3398.32	58.98	ND	47.55	ND	NA	NA	NA	3350.77	
RW-2	11/02/11	3398.32	58.98	ND	47.44	ND	NA	NA	NA	3350.88	
RW-2	11/09/11	3398.32	58.98	47.60	47.61	0.01	Hand Bailed	0.10	4.90	3350.72	
RW-2	11/09/11	3398.32	58.98	ND	48.09	ND	NA	NA	NA	3350.23	
RW-2	11/18/11	3398.32	58.98	47.40	47.41	0.01	NA	NA	NA	3350.92	
RW-2	11/23/11	3398.32	58.98	47.53	47.54	0.01	NA	NA	NA	3350.79	
RW-2	11/29/11	3398.32	58.98	47.52	47.53	0.01	NA	NA	NA	3350.80	
RW-2	12/13/11	3398.32	58.98	47.40	47.41	0.01	NA	NA	NA	3350.92	
RW-2	12/20/11	3398.32	58.98	47.45	47.46	0.01	NA	NA	NA	3350.87	
RW-2	12/27/11	3398.32	58.98	47.47	47.48	0.01	NA	NA	NA	3350.85	
RW-2	01/04/12	3362.64	58.98	ND	51.49	ND	NA	NA	NA	3311.15	
RW-2	01/04/12	3398.32	58.98	ND	47.19	ND	NA	NA	NA	3351.13	
RW-2	01/04/12	3398.32	58.98	47.48	47.49	0.01	NA	NA	NA	3350.84	
RW-2	01/13/12	3398.32	58.98	47.44	47.45	0.01	Hand Bailed	0.10	4.90	3350.88	

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-2	01/13/12	3398.32	58.98	ND	47.96	ND	NA	NA	NA	3350.36	
RW-2	01/18/12	3398.32	58.98	47.42	47.43	0.01	NA	NA	NA	3350.90	
RW-2	01/27/12	3398.32	58.98	47.31	47.32	0.01	NA	NA	NA	3351.01	
RW-2	02/02/12	3398.32	58.98	47.28	47.29	0.01		0.10	4.90	3351.04	
RW-2	02/02/12	3398.32	58.98	ND	47.61	ND	NA	NA	NA	3350.71	
RW-2	02/08/12	3398.32	58.98	ND	47.45	ND	NA	NA	NA	3350.87	
RW-2	02/15/12	3398.32	58.98	47.34	47.35	0.01	NA	NA	NA	3350.98	
RW-2	02/23/12	3398.32	58.98	47.21	47.22	0.01	NA	NA	NA	3351.11	
RW-2	02/29/12	3398.32	58.98	47.34	47.35	0.01	NA	NA	NA	3350.98	
RW-2	03/06/12	3398.32	58.98	47.28	47.30	0.02	NA	NA	NA	3351.04	
RW-2	03/14/12	3398.32	58.98	47.35	47.36	0.01	NA	NA	NA	3350.97	
RW-2	03/21/12	3398.32	58.98	47.20	47.21	0.01	NA	NA	NA	3351.12	
RW-2	03/29/12	3398.32	58.98	47.29	47.30	0.01	NA	NA	NA	3351.03	
RW-2	04/03/12	3398.32	58.98	47.35	47.36	0.01	NA	NA	NA	3350.97	
RW-2	04/11/12	3398.32	58.98	47.28	47.29	0.01	NA	NA	NA	3351.04	
RW-2	04/20/12	3398.32	58.98	47.40	47.41	0.01	NA	NA	NA	3350.92	
RW-2	04/26/12	3398.32	58.98	47.30	47.31	0.01	NA	NA	NA	3351.02	
RW-2	05/02/12	3398.32	58.98	47.32	47.34	0.02	NA	NA	NA	3351.00	
RW-2	05/09/12	3398.32	58.98	47.49	47.50	0.01	NA	NA	NA	3350.83	
RW-2	05/16/12	3398.32	58.98	47.51	47.52	0.01	NA	NA	NA	3350.81	
RW-2	05/23/12	3398.32	58.98	47.61	47.70	0.09	NA	NA	NA	3350.70	
RW-2	05/29/12	3398.32	58.98	48.35	48.36	0.01	NA	0.10	9.90	3349.97	
RW-2	05/29/12	3398.32	58.98	ND	49.21	ND	NA	NA	NA	3349.11	
RW-2	06/06/12	3398.32	58.98	48.30	48.34	0.04	NA	NA	NA	3350.01	
RW-2	06/13/12	3398.32	58.98	48.23	48.27	0.04	NA	NA	NA	3350.08	
RW-2	06/19/12	3398.32	58.98	34.08	48.33	14.25	NA	NA	NA	3362.10	
RW-2	06/27/12	3398.32	58.98	48.51	48.55	0.04	NA	NA	NA	3349.80	
RW-2	07/05/12	3398.32	58.98	48.73	48.81	0.08	NA	NA	NA	3349.58	
RW-2	07/11/12	3398.32	58.98	48.80	48.90	0.10	NA	NA	NA	3349.51	
RW-2	07/18/12	3398.32	58.98	48.96	49.06	0.10	NA	NA	NA	3349.35	
RW-2	07/25/12	3398.32	58.98	49.02	49.15	0.13	NA	0.10	10.00	3349.28	
RW-2	07/25/12	3398.32	58.98	ND	51.23	ND	NA	NA	NA	3347.09	
RW-2	07/31/12	3398.32	58.98	49.16	49.30	0.14	NA	NA	NA	3349.14	
RW-2	08/08/12	3398.32	58.98	49.22	49.33	0.11	NA	NA	NA	3349.08	
RW-2	08/13/12	3398.32	58.98	49.20	49.33	0.13	NA	0.10	10.00	3349.10	
RW-2	08/13/12	3398.32	58.98	ND	50.35	ND	NA	NA	NA	3347.97	
RW-2	08/20/12	3398.32	58.98	49.20	49.27	0.07	NA	NA	NA	3349.11	

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-2	09/05/12	3398.32	58.98	49.32	49.42	0.10	NA	NA	NA	3348.99	
RW-2	09/12/12	3398.32	58.98	ND	49.19	ND	NA	NA	NA	3349.13	
RW-2	09/19/12	3398.32	58.98	49.12	49.21	0.09	NA	NA	NA	3349.19	
RW-2	09/25/12	3398.32	58.98	49.03	49.09	0.06	NA	NA	NA	3349.28	
RW-2	10/02/12	3398.32	58.98	49.10	49.18	0.08	NA	NA	NA	3349.21	
RW-2	10/10/12	3398.32	58.98	49.11	49.15	0.04	NA	NA	NA	3349.20	
RW-2	10/16/12	3398.32	58.98	48.92	49.00	0.08	NA	NA	NA	3349.39	
RW-2	10/24/12	3398.32	58.98	48.96	49.09	0.13	NA	NA	NA	3349.34	
RW-2	10/30/12	3398.32	58.98	49.00	49.14	0.14	NA	NA	NA	3349.30	
RW-2	11/06/12	3398.32	58.98	49.06	49.21	0.15	NA	NA	NA	3349.24	
RW-2	11/13/12	3398.32	58.98	49.12	49.29	0.17	NA	NA	NA	3349.17	
RW-2	11/19/12	3398.32	58.98	49.09	49.30	0.21	NA	NA	NA	3349.20	
RW-2	12/05/12	3398.32	58.98	48.15	48.28	0.13	NA	NA	NA	3350.15	
RW-2	12/11/12	3398.32	58.98	49.19	49.24	0.05	NA	NA	NA	3349.12	
RW-2	12/11/12	3398.32	58.98	49.36	49.61	0.25	NA	NA	NA	3348.92	
RW-2	01/03/13	3398.32	58.98	49.34	49.70	0.36	NA	0.20	10.00	3348.93	
RW-2	01/16/13	3398.32	58.98	ND	49.40	ND	NA	NA	NA	3348.92	
RW-2	01/23/13	3398.32	58.98	49.35	49.40	0.05	NA	NA	NA	3348.96	
RW-2	01/30/13	3398.32	58.98	49.44	49.52	0.08	NA	NA	NA	3348.87	
RW-2	02/07/13	3398.32	58.98	49.31	49.40	0.09	NA	NA	NA	3349.00	
RW-2	02/13/13	3398.32	58.98	49.26	49.40	0.14	NA	NA	NA	3349.04	
RW-2	02/28/13	3398.32	58.98	49.22	49.49	0.27	NA	NA	NA	3349.06	Sampled
RW-2	03/21/13	3398.32	58.98	48.92	49.28	0.36	NA	NA	NA	3349.35	
RW-2	03/29/13	3398.32	58.98	49.21	49.71	0.50	NA	0.50	14.50	3349.04	
RW-2	03/29/13	3398.32	58.98	ND	50.49	ND	NA	NA	NA	3347.83	
RW-2	04/03/13	3398.32	58.98	49.29	49.35	0.06	NA	NA	NA	3349.02	
RW-2	04/09/13	3398.32	58.98	49.40	49.58	0.18	NA	NA	NA	3348.89	
RW-2	05/01/13	3398.32	58.98	49.75	50.05	0.30	NA	0.10	10.00	3348.53	
RW-2	05/01/13	3398.32	58.98	ND	52.20	ND	NA	NA	NA	3346.12	
RW-2	05/15/13	3398.32	58.98	49.88	49.90	0.02	NA	NA	NA	3348.44	
RW-2	05/21/13	3398.32	58.98	49.98	50.02	0.04	NA	NA	NA	3348.33	
RW-2	06/04/13	3398.32	58.98	49.95	50.05	0.10	NA	NA	NA	3348.36	
RW-2	06/12/13	3398.32	58.98	50.01	50.11	0.10	NA	NA	NA	3348.30	
RW-2	06/17/13	3398.32	58.98	49.99	50.13	0.14	NA	0.10	10.00	3348.31	
RW-2	06/26/13	3398.32	58.98	49.98	50.05	0.07	NA	NA	NA	3348.33	
RW-2	07/03/13	3398.32	58.98	50.04	50.11	0.07	NA	NA	NA	3348.27	
RW-2	07/10/13	3398.32	58.98	50.11	50.15	0.04	NA	NA	NA	3348.20	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-2	07/23/13	3398.32	58.98	50.01	50.08	0.07	NA	NA	NA	3348.30	
RW-2	07/30/13	3398.32	58.98	50.02	50.12	0.10	NA	NA	NA	3348.29	
RW-2	08/07/13	3398.32	58.98	50.15	50.24	0.09	NA	NA	NA	3348.16	
RW-2	08/14/13	3398.32	58.98	Sheen	50.12	Sheen	NA	NA	NA	3348.20	
RW-2	08/21/13	3398.32	58.98	50.13	50.15	0.02	NA	NA	NA	3348.19	
RW-2	08/28/13	3398.32	58.98	50.18	50.22	0.04	NA	NA	NA	3348.13	
RW-2	09/06/13	3398.32	58.98	50.17	50.28	0.11	NA	NA	NA	3348.13	
RW-2	09/10/13	3398.32	58.98	50.12	50.13	0.01	NA	NA	NA	3348.20	
RW-2	09/21/13	3398.32	58.98	50.12	50.15	0.03	NA	NA	NA	3348.20	
RW-2	09/28/13	3398.32	58.98	50.18	50.23	0.05	NA	NA	NA	3348.13	
RW-2	10/02/13	3398.32	58.98	50.21	50.26	0.05	NA	NA	NA	3348.10	
RW-2	10/11/13	3398.32	58.98	50.23	50.26	0.03	NA	NA	NA	3348.09	
RW-2	10/16/13	3398.32	58.98	ND	50.25	ND	NA	NA	NA	3348.07	
RW-2	10/30/13	3398.32	58.98	50.33	50.40	0.07	NA	NA	NA	3347.98	
RW-2	11/07/13	3398.32	58.98	50.03	50.10	0.07	NA	NA	NA	3348.28	
RW-2	11/13/13	3398.32	58.98	50.37	50.40	0.03	NA	NA	NA	3347.95	
RW-2	11/20/13	3398.32	58.98	50.25	50.29	0.04	NA	NA	NA	3348.06	
RW-2	11/27/13	3398.32	58.98	50.41	50.50	0.09	NA	NA	NA	3347.90	
RW-2	12/11/13	3398.32	58.98	50.61	50.69	0.08	NA	NA	NA	3347.70	
RW-2	12/17/13	3398.32	58.98	50.56	50.65	0.09	NA	NA	NA	3347.75	
RW-3	12/21/05	3369.05	60.30	ND	47.38	ND	NA	NA	NA	3321.67	Installed Sock
RW-3	12/29/05	3369.05	NG	ND	47.16	ND	NA	NA	NA	3321.89	Sock
RW-3	01/05/06	3369.05	NG	ND	47.43	ND	NA	NA	NA	3321.62	Sock
RW-3	02/09/06	3369.05	NG	ND	47.16	ND	NA	NA	NA	3321.89	Sock
RW-3	02/22/06	3369.05	NG	ND	47.15	ND	NA	NA	NA	3321.90	Sock
RW-3	03/28/06	3369.05	NG	ND	47.41	ND		0.20	0.00	3321.64	Sock
RW-3	04/13/06	3369.05	NG	ND	47.44	ND		0.10	0.00	3321.61	Sock
RW-3	04/25/06	3369.05	NG	ND	47.62	ND		0.10	0.00	3321.43	Sock
RW-3	05/11/06	3369.05	NG	ND	47.61	ND		0.10	0.00	3321.44	Sock
RW-3	05/24/06	3369.05	NG	ND	47.64	ND		0.10	0.00	3321.41	Sock
RW-3	06/07/06	3369.05	NG	ND	47.75	ND		0.10	4.90	3321.30	Sock
RW-3	06/07/06	3369.05	NG	ND	47.90	ND		0.10	0.00	3321.15	Sock
RW-3	06/15/06	3369.05	NG	ND	47.69	ND		0.10	0.00	3321.36	Sock
RW-3	06/29/06	3369.05	NG	ND	47.97	ND		0.10	0.00	3321.08	Sock
RW-3	07/11/06	3369.05	NG	ND	47.98	ND		0.10	0.00	3321.07	Sock
RW-3	07/25/06	3369.05	NG	ND	48.04	ND		0.10	0.00	3321.01	Sock

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-3	08/09/06	3369.05	59.63	ND	48.21	ND	NA	NA	NA	3320.84	Sock
RW-3	08/22/06	3369.05	NG	ND	48.30	ND	Hand Bailed	0.10	9.90	3320.75	
RW-3	08/22/06	3369.05	NG	ND	48.27	ND	NA	NA	NA	3320.78	New Sock
RW-3	09/12/06	3369.05	59.61	ND	48.12	ND	NA	NA	NA	3320.93	Sock
RW-3	09/19/06	3369.05	NG	ND	48.16	ND	Hand Bailed	0.10	9.90	3320.89	
RW-3	09/19/06	3369.05	NG	ND	48.60	ND	NA	NA	NA	3320.45	Sock
RW-3	10/03/06	3369.05	NG	ND	48.14	ND	Hand Bailed	0.10	9.90	3320.91	
RW-3	10/03/06	3369.05	NG	ND	48.75	ND	NA	NA	NA	3320.30	Sock
RW-3	10/17/06	3369.05	NG	ND	48.02	ND	Hand Bailed	0.10	4.90	3321.03	
RW-3	10/17/06	3369.05	NG	ND	48.91	ND	NA	NA	NA	3320.14	Sock
RW-3	10/31/06	3369.05	NG	ND	48.12	ND	Hand Bailed	0.10	4.90	3320.93	
RW-3	10/31/06	3369.05	NG	ND	48.42	ND	NA	NA	NA	3320.63	Sock
RW-3	11/15/06	3369.05	NG	ND	48.12	ND	NA	NA	NA	3320.93	
RW-3	12/06/06	3369.05	NG	ND	48.07	ND	NA	NA	NA	3320.98	New Sock
RW-3	12/13/06	3369.05	NG	ND	48.11	ND	Hand Bailed	0.10	4.90	3320.94	
RW-3	12/13/06	3369.05	NG	ND	48.19	ND	NA	NA	NA	3320.86	Sock
RW-3	12/27/06	3369.05	NG	ND	48.00	ND	NA	NA	NA	3321.05	Sock
RW-3	01/03/07	3369.05	NG	ND	47.90	ND	NA	NA	NA	3321.15	Sock
RW-3	01/09/07	3369.05	NG	ND	47.95	ND	NA	NA	NA	3321.10	Sock
RW-3	01/18/07	3369.05	NG	ND	47.89	ND	NA	NA	NA	3321.16	Sock
RW-3	01/25/07	3369.05	NG	ND	47.68	ND	NA	NA	NA	3321.37	Removed Sock
RW-3	01/31/07	3369.05	NG	47.47	47.50	0.03	NA	NA	NA	3321.58	Installed Sock
RW-3	02/07/07	3369.05	NG	ND	47.62	ND	NA	NA	NA	3321.43	Sock
RW-3	02/14/07	3369.05	NG	ND	47.67	ND	NA	NA	NA	3321.38	Sock
RW-3	02/21/07	3369.05	NG	ND	47.86	ND	NA	NA	NA	3321.19	Sock
RW-3	03/07/07	3369.05	NG	47.63	47.65	0.02	Hand Bailed	0.10	9.90	3321.42	
RW-3	03/07/07	3369.05	NG	ND	48.55	ND	NA	NA	NA	3320.50	Sock
RW-3	03/14/07	3369.05	NG	ND	47.84	ND	NA	NA	NA	3321.21	New Sock
RW-3	03/21/07	3369.05	NG	ND	47.80	ND	NA	NA	NA	3321.25	Sock
RW-3	03/28/07	3369.05	NG	ND	47.60	ND	NA	NA	NA	3321.45	New Sock
RW-3	04/04/07	3369.05	NG	ND	47.90	ND	NA	NA	NA	3321.15	Sock
RW-3	04/10/07	3369.05	NG	ND	47.75	ND	NA	NA	NA	3321.30	New Sock
RW-3	04/18/07	3369.05	NG	ND	47.70	ND	NA	NA	NA	3321.35	NA
RW-3	04/24/07	3369.05	NG	ND	47.70	ND	NA	NA	NA	3321.35	Sock
RW-3	05/03/07	3369.05	NG	ND	47.80	ND	NA	NA	NA	3321.25	Sock
RW-3	05/03/07	3369.05	NG	ND	48.05	ND	NA	NA	NA	3321.00	New Sock
RW-3	05/11/07	3369.05	NG	ND	47.55	ND	NA	NA	NA	3321.50	Sock

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-3	05/16/07	3369.05	NG	47.54	47.56	0.02	Hand Bailed	0.10	9.90	3321.51	
RW-3	05/16/07	3369.05	NG	ND	48.45	ND	NA	NA	NA	3320.60	Sock
RW-3	05/23/07	3369.05	NG	ND	47.38	ND		0.10	9.90	3321.67	Flipped Sock
RW-3	05/23/07	3369.05	NG	ND	47.75	ND	NA	NA	NA	3321.30	NA
RW-3	06/06/07	3369.05	59.51	ND	47.41	ND	NA	NA	NA	3321.64	Sock
RW-3	06/13/07	3369.05	59.51	ND	47.53	ND	NA	NA	NA	3321.52	New Sock
RW-3	06/19/07	3369.05	59.51	ND	47.47	ND	NA	NA	NA	3321.58	NA
RW-3	06/19/07	3369.05	59.51	ND	48.16	ND	NA	NA	NA	3320.89	Sock
RW-3	06/27/07	3369.05	59.51	ND	47.56	ND	NA	NA	NA	3321.49	Sock
RW-3	07/05/07	3369.05	59.66	ND	48.35	ND	NA	NA	NA	3320.70	New Sock
RW-3	07/11/07	3369.05	59.66	ND	47.58	ND	NA	NA	NA	3321.47	Sock
RW-3	07/19/07	3369.05	59.66	ND	47.72	ND	NA	NA	NA	3321.33	Sock
RW-3	07/19/07	3369.05	59.66	ND	48.53	ND	NA	NA	NA	3320.52	Sock
RW-3	07/24/07	3369.05	59.66	ND	47.78	ND	NA	NA	NA	3321.27	Sock
RW-3	07/31/07	3369.05	59.65	ND	47.80	ND	NA	NA	NA	3321.25	New Sock
RW-3	08/09/07	3369.05	59.65	ND	47.88	ND	NA	NA	NA	3321.17	Sock
RW-3	08/16/07	3369.05	59.65	ND	47.89	ND	NA	NA	NA	3321.16	Sock
RW-3	08/22/07	3369.05	59.65	ND	47.76	ND	NA	NA	NA	3321.29	Sock
RW-3	08/28/07	3369.05	59.65	ND	47.93	ND	NA	NA	NA	3321.12	Sock
RW-3	09/07/07	3369.05	59.65	ND	47.97	ND	NA	NA	NA	3321.08	Sock
RW-3	09/13/07	3369.05	59.65	ND	47.98	ND	NA	NA	NA	3321.07	Sock
RW-3	09/18/07	3369.05	59.65	ND	47.95	ND	NA	NA	NA	3321.10	Sock
RW-3	09/26/07	3369.05	59.65	ND	47.99	ND	NA	NA	NA	3321.06	Sock
RW-3	10/04/07	3369.05	59.65	ND	47.80	ND	NA	NA	NA	3321.25	Sock
RW-3	10/10/07	3369.05	59.65	ND	47.85	ND	NA	NA	NA	3321.20	Sock
RW-3	10/17/07	3369.05	59.65	ND	47.88	ND	NA	NA	NA	3321.17	Sock
RW-3	10/24/07	3369.05	59.65	ND	48.02	ND	NA	NA	NA	3321.03	Sock
RW-3	10/31/07	3369.05	59.65	ND	47.90	ND	NA	NA	NA	3321.15	Sock
RW-3	11/07/07	3369.05	59.65	ND	47.92	ND	NA	NA	NA	3321.13	Sock
RW-3	11/13/07	3369.05	59.65	ND	47.90	ND	NA	NA	NA	3321.15	Flipped Sock
RW-3	11/20/07	3369.05	59.65	ND	47.95	ND	NA	NA	NA	3321.10	Sock
RW-3	11/27/07	3369.05	59.65	ND	47.92	ND	NA	NA	NA	3321.13	Sock
RW-3	12/05/07	3369.05	59.65	ND	47.75	ND	NA	NA	NA	3321.30	Sock
RW-3	12/12/07	3369.05	59.65	ND	47.73	ND	NA	NA	NA	3321.32	Sock
RW-3	12/18/07	3369.05	59.65	ND	47.55	ND	NA	NA	NA	3321.50	Sock
RW-3	12/28/07	3369.05	59.65	ND	47.51	ND	NA	NA	NA	3321.54	Sock
RW-3	01/03/08	3369.05	59.65	ND	47.56	ND	NA	NA	NA	3321.49	Sock

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-3	01/09/08	3369.05	59.65	ND	47.58	ND	NA	NA	NA	3321.47	New Sock
RW-3	01/17/08	3369.05	59.65	47.58	47.60	0.02	NA	NA	NA	3321.47	New Sock
RW-3	01/23/08	3369.05	59.65	ND	47.61	ND	NA	NA	NA	3321.44	Sock
RW-3	01/30/08	3369.05	59.65	ND	47.55	ND	NA	NA	NA	3321.50	Sock
RW-3	02/06/08	3369.05	59.65	ND	47.74	ND	NA	NA	NA	3321.31	Sock
RW-3	02/13/08	3369.05	59.65	ND	47.55	ND	NA	NA	NA	3321.50	Sock
RW-3	02/19/08	3369.05	59.65	ND	47.63	ND	Hand Bailed	0.00	10.00	3321.42	
RW-3	02/19/08	3369.05	59.65	ND	48.13	ND	NA	NA	NA	3320.92	New Sock
RW-3	02/27/08	3369.05	59.65	ND	47.65	ND	NA	NA	NA	3321.40	New Sock
RW-3	03/04/08	3369.05	59.65	ND	47.56	ND	NA	NA	NA	3321.49	Sock
RW-3	03/12/08	3369.05	59.65	ND	47.48	ND	NA	NA	NA	3321.57	Sock
RW-3	03/19/08	3369.05	59.65	ND	47.59	ND	NA	NA	NA	3321.46	Sock
RW-3	03/26/08	3369.05	59.65	ND	47.66	ND	NA	NA	NA	3321.39	Sock
RW-3	04/02/08	3369.05	59.65	ND	47.67	ND	NA	NA	NA	3321.38	Sock
RW-3	04/09/08	3369.05	59.65	ND	47.62	ND	NA	NA	NA	3321.43	Sock
RW-3	04/16/08	3369.05	59.65	ND	47.67	ND	NA	NA	NA	3321.38	Sock
RW-3	04/24/08	3369.05	59.65	47.62	47.70	0.08	NA	NA	NA	3321.42	New Sock
RW-3	04/30/08	3369.05	59.65	ND	47.67	ND	NA	NA	NA	3321.38	Sock
RW-3	05/07/08	3369.05	59.65	ND	47.69	ND	NA	NA	NA	3321.36	Sock
RW-3	05/14/08	3369.05	59.65	ND	47.92	ND	NA	NA	NA	3321.13	New Sock
RW-3	05/20/08	3369.05	59.65	ND	47.97	ND	NA	NA	NA	3321.08	Sock
RW-3	05/22/08	3369.05	59.62	ND	47.99	ND	NA	NA	NA	3321.06	Sock
RW-3	05/28/08	3369.05	59.62	ND	48.01	ND	NA	NA	NA	3321.04	Sock
RW-3	06/04/08	3369.05	59.62	ND	48.04	ND	NA	NA	NA	3321.01	Sock
RW-3	06/11/08	3369.05	59.62	ND	48.07	ND	NA	NA	NA	3320.98	Sock
RW-3	06/18/08	3369.05	59.62	ND	48.12	ND	NA	NA	NA	3320.93	Sock
RW-3	06/26/08	3369.05	59.62	ND	48.18	ND	NA	NA	NA	3320.87	Sock
RW-3	07/02/08	3369.05	59.62	ND	48.16	ND	NA	NA	NA	3320.89	Sock
RW-3	07/07/08	3369.05	59.62	ND	48.04	ND	NA	NA	NA	3321.01	Sock
RW-3	07/16/08	3369.05	59.62	ND	48.09	ND	NA	NA	NA	3320.96	Sock
RW-3	07/22/08	3369.05	59.62	ND	48.13	ND	NA	NA	NA	3320.92	Sock
RW-3	07/29/08	3369.05	59.62	ND	48.16	ND	NA	NA	NA	3320.89	Sock
RW-3	08/06/08	3369.05	59.62	ND	48.18	ND	NA	NA	NA	3320.87	Sock
RW-3	08/13/08	3369.05	59.62	ND	48.26	ND	NA	NA	NA	3320.79	New Sock
RW-3	08/20/08	3369.05	59.62	ND	48.23	ND	NA	NA	NA	3320.82	Sock
RW-3	08/27/08	3369.05	59.62	ND	48.25	ND	NA	NA	NA	3320.80	Sock
RW-3	09/02/08	3369.05	59.62	ND	48.29	ND	NA	NA	NA	3320.76	Sock

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								PSH	H ₂ O		
RW-3	09/09/08	3369.05	59.62	ND	48.34	ND	NA	NA	NA	3320.71	Sock
RW-3	09/17/08	3369.05	59.62	ND	48.62	ND	NA	NA	NA	3320.43	Sock
RW-3	09/24/08	3369.05	59.62	48.45	48.50	0.05	NA	NA	NA	3320.59	Sock
RW-3	10/01/08	3369.05	59.62	ND	48.53	ND	NA	NA	NA	3320.52	Sock
RW-3	10/08/08	3369.05	59.62	ND	48.40	ND	NA	NA	NA	3320.65	Sock
RW-3	10/15/08	3369.05	59.62	ND	48.39	ND	NA	NA	NA	3320.66	Sock
RW-3	10/22/08	3369.05	59.62	48.36	48.41	0.05	Pumped	1.00	19.00	3320.68	
RW-3	10/22/08	3369.05	59.62	48.39	48.41	0.02	NA	NA	NA	3320.66	Sock
RW-3	10/29/08	3369.05	59.62	47.44	47.52	0.08	Pumped	0.50	10.00	3321.60	
RW-3	10/29/08	3369.05	59.62	ND	49.20	ND	NA	NA	NA	3319.85	
RW-3	11/05/08	3369.05	59.62	48.34	48.39	0.05	Pumped	0.50	19.50	3320.70	
RW-3	11/05/08	3369.05	59.62	48.42	48.47	0.05	NA	NA	NA	3320.62	
RW-3	11/12/08	3369.05	59.62	48.41	48.43	0.02	NA	NA	NA	3320.64	
RW-3	11/20/08	3369.05	59.62	48.56	48.71	0.15	NA	NA	NA	3320.47	New Sock
RW-3	11/26/08	3369.05	59.62	ND	48.41	ND	Pumped	0.00	10.00	3320.64	Flipped Sock
RW-3	11/26/08	3369.05	59.62	ND	48.56	ND	NA	NA	NA	3320.49	
RW-3	12/03/08	3369.05	59.62	ND	48.51	ND	Pumped	0.00	10.00	3320.54	
RW-3	12/03/08	3369.05	59.62	ND	48.73	ND	NA	NA	NA	3320.32	New Sock
RW-3	12/10/08	3369.05	59.62	ND	48.51	ND	Pumped	0.00	10.00	3320.54	
RW-3	12/10/08	3369.05	59.62	ND	48.53	ND	NA	NA	NA	3320.52	
RW-3	12/17/08	3369.05	59.62	ND	48.54	ND	Pumped	0.00	10.00	3320.51	
RW-3	12/17/08	3369.05	59.62	ND	48.71	ND	NA	NA	NA	3320.34	Flipped Sock
RW-3	12/21/08	3369.05	59.62	ND	48.67	ND	Pumped	0.00	8.00	3320.38	
RW-3	12/21/08	3369.05	59.62	ND	48.63	ND	NA	NA	NA	3320.42	Flipped Sock
RW-3	12/31/08	3369.05	59.62	ND	48.53	ND	NA	0.00	10.00	3320.52	
RW-3	12/31/08	3369.05	59.62	ND	48.97	ND	NA	NA	NA	3320.08	
RW-3	01/07/09	3369.05	59.60	ND	48.47	ND	Hand Bailed	0.00	10.00	3320.58	
RW-3	01/07/09	3369.05	59.60	ND	48.52	ND	NA	NA	NA	3320.53	
RW-3	01/15/09	3369.05	59.60	ND	48.60	ND	Pumped	0.00	10.00	3320.45	
RW-3	01/15/09	3369.05	59.60	ND	48.79	ND	NA	NA	NA	3320.26	
RW-3	01/22/09	3369.05	59.60	ND	48.43	ND	Pumped	0.00	12.00	3320.62	New Sock
RW-3	01/22/09	3369.05	59.60	ND	48.49	ND	NA	NA	NA	3320.56	
RW-3	01/28/09	3369.05	59.60	ND	48.51	ND	Pumped	0.00	10.00	3320.54	
RW-3	01/28/09	3369.05	59.60	ND	48.52	ND	NA	NA	NA	3320.53	
RW-3	02/04/09	3369.05	59.60	ND	48.56	ND	Pumped	0.00	10.00	3320.49	
RW-3	02/04/09	3369.05	59.60	ND	48.61	ND	NA	NA	NA	3320.44	
RW-3	02/11/09	3369.05	59.60	ND	48.58	ND	Pumped	0.00	20.00	3320.47	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-3	02/11/09	3369.05	59.60	ND	48.72	ND	NA	NA	NA	3320.33	
RW-3	02/18/09	3369.05	59.60	ND	48.51	ND	Pumped	0.00	20.00	3320.54	Sock
RW-3	02/18/09	3369.05	59.60	ND	49.71	ND	NA	NA	NA	3319.34	
RW-3	02/25/09	3369.05	59.60	ND	48.42	ND	Pumped	0.00	15.00	3320.63	Flipped Sock
RW-3	02/25/09	3369.05	59.60	ND	48.56	ND	NA	NA	NA	3320.49	
RW-3	03/04/09	3369.05	59.57	ND	48.41	ND		0.00	10.00	3320.64	New Sock
RW-3	03/04/09	3369.05	59.57	ND	48.42	ND	NA	NA	NA	3320.63	
RW-3	03/11/09	3369.05	59.57	ND	48.54	ND		0.00	10.00	3320.51	Flipped Sock
RW-3	03/11/09	3369.05	59.57	ND	48.79	ND	NA	NA	NA	3320.26	
RW-3	03/18/09	3369.05	59.57	ND	48.35	ND	Pumped	0.00	10.00	3320.70	
RW-3	03/18/09	3369.05	59.57	ND	48.74	ND	NA	NA	NA	3320.31	
RW-3	03/25/09	3369.05	59.57	ND	48.34	ND	Pumped	0.00	10.00	3320.71	
RW-3	03/25/09	3369.05	59.57	ND	48.45	ND	NA	NA	NA	3320.60	
RW-3	04/01/09	3369.05	59.57	ND	48.15	ND	NA	NA	NA	3320.90	
RW-3	04/08/09	3369.05	59.57	ND	48.24	ND	Pumped	0.00	10.00	3320.81	
RW-3	04/08/09	3369.05	59.57	ND	48.39	ND	NA	NA	NA	3320.66	
RW-3	04/15/09	3369.05	59.57	ND	48.36	ND	NA	NA	NA	3320.69	
RW-3	04/22/09	3369.05	59.57	ND	48.33	ND	NA	NA	NA	3320.72	
RW-3	04/29/09	3369.05	59.57	ND	48.28	ND	NA	NA	NA	3320.77	
RW-3	05/06/09	3369.05	59.57	ND	48.32	ND	NA	NA	NA	3320.73	
RW-3	05/14/09	3369.05	59.57	48.50	48.58	0.08	NA	NA	NA	3320.54	
RW-3	05/14/09	3369.05	59.57	ND	49.47	ND	Pumped	0.25	14.75	3319.58	
RW-3	05/20/09	3369.05	59.57	ND	48.57	ND	Pumped	0.25	14.75	3320.48	
RW-3	05/28/09	3369.05	59.57	ND	48.60	ND	NA	NA	NA	3320.45	
RW-3	06/03/09	3369.05	59.57	ND	48.55	ND	NA	NA	NA	3320.50	
RW-3	06/03/09	3369.05	59.57	ND	48.80	ND	Pumped	0.00	10.00	3320.25	
RW-3	06/11/09	3369.05	59.57	ND	48.51	ND	NA	NA	NA	3320.54	
RW-3	06/11/09	3369.05	59.57	ND	48.72	ND	Pumped	0.00	10.00	3320.33	
RW-3	06/17/09	3369.05	59.57	ND	48.48	ND	NA	NA	NA	3320.57	
RW-3	06/23/09	3369.05	59.57	48.50	48.53	0.03	NA	NA	NA	3320.55	
RW-3	06/23/09	3369.05	59.57	ND	49.60	ND	Pumped	1.00	9.00	3319.45	
RW-3	07/01/09	3369.05	59.57	ND	48.51	ND	NA	NA	NA	3320.54	
RW-3	07/07/09	3369.05	59.57	ND	48.35	ND	NA	NA	NA	3320.70	New Sock
RW-3	07/15/09	3369.05	59.57	ND	48.45	ND	NA	NA	NA	3320.60	
RW-3	07/29/09	3369.05	59.57	ND	48.30	ND	NA	NA	NA	3320.75	
RW-3	08/05/09	3369.05	59.57	ND	48.36	ND	NA	NA	NA	3320.69	New Sock
RW-3	08/12/09	3369.05	59.57	ND	48.26	ND	NA	NA	NA	3320.79	Flipped Sock

TABLE 2
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Plains Marketing, L.P.
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-3	08/19/09	3369.05	59.57	ND	48.12	ND	NA	NA	NA	3320.93	New Sock
RW-3	08/19/09	3369.05	59.57	ND	48.61	ND	Pumped	0.00	10.00	3320.44	
RW-3	08/27/09	3369.05	59.57	ND	48.21	ND	NA	NA	NA	3320.84	
RW-3	09/02/09	3369.05	59.57	ND	48.19	ND	NA	NA	NA	3320.86	
RW-3	09/09/09	3369.05	59.57	ND	48.26	ND	NA	NA	NA	3320.79	
RW-3	09/16/09	3369.05	59.57	ND	48.21	ND	NA	NA	NA	3320.84	
RW-3	09/23/09	3369.05	59.57	ND	48.27	ND	Pumped	0.00	10.00	3320.78	
RW-3	09/23/09	3369.05	59.57	ND	49.25	ND	NA	NA	NA	3319.80	
RW-3	09/30/09	3369.05	59.57	ND	48.12	ND	NA	NA	NA	3320.93	
RW-3	10/07/09	3369.05	59.57	ND	48.25	ND	NA	NA	NA	3320.80	
RW-3	10/21/09	3369.05	59.57	ND	48.10	ND	NA	NA	NA	3320.95	
RW-3	10/28/09	3369.05	59.57	ND	48.12	ND	NA	NA	NA	3320.93	
RW-3	11/04/09	3369.05	59.57	48.29	48.30	0.01	Pumped	0.00	10.00	3320.76	
RW-3	11/04/09	3369.05	59.57	ND	48.55	ND	NA	NA	NA	3320.50	
RW-3	11/11/09	3369.05	59.57	48.30	48.33	0.03	Pumped	0.10	9.90	3320.75	
RW-3	11/11/09	3369.05	59.57	ND	48.52	ND	NA	NA	NA	3320.53	
RW-3	11/18/09	3369.05	59.57	48.14	48.15	0.01	Pumped	0.10	14.90	3320.91	
RW-3	11/18/09	3369.05	59.57	ND	48.64	ND	NA	NA	NA	3320.41	
RW-3	11/25/09	3369.05	59.57	48.29	48.37	0.08	Pumped	0.10	9.90	3320.75	
RW-3	11/25/09	3369.05	59.57	ND	48.88	ND	NA	NA	NA	3320.17	
RW-3	12/02/09	3369.05	59.57	48.30	48.35	0.05	Pumped	0.10	9.90	3320.74	
RW-3	12/09/09	3369.05	59.57	ND	48.93	ND	NA	NA	NA	3320.12	
RW-3	12/09/09	3369.05	59.57	48.91	48.96	0.05	Pumped	0.10	9.90	3320.13	
RW-3	12/09/09	3369.05	59.57	ND	51.18	ND	NA	NA	NA	3317.87	
RW-3	12/16/09	3369.05	59.57	48.24	48.31	0.07	Pumped	0.10	14.90	3320.80	
RW-3	12/16/09	3369.05	59.57	ND	49.10	ND	NA	NA	NA	3319.95	
RW-3	12/23/09	3369.05	59.57	48.34	48.44	0.10	Pumped	0.10	9.90	3320.70	
RW-3	12/23/09	3369.05	59.57	ND	48.71	ND	NA	NA	NA	3320.34	
RW-3	12/30/09	3369.05	59.57	48.12	48.20	0.08	Pumped	0.10	9.90	3320.92	
RW-3	12/30/09	3369.05	59.57	ND	48.66	ND	NA	NA	NA	3320.39	
RW-3	01/06/10	3369.05	59.57	48.00	48.04	0.04	Pumped	0.10	14.90	3321.04	
RW-3	01/06/10	3369.05	59.57	ND	48.60	ND	NA	NA	NA	3320.45	
RW-3	01/13/10	3369.05	59.57	48.05	48.11	0.06	Pumped	0.10	9.90	3320.99	
RW-3	01/13/10	3369.05	59.57	ND	48.85	ND	NA	NA	NA	3320.20	
RW-3	01/27/10	3369.05	59.57	47.99	48.04	0.05	NA	NA	NA	3321.05	
RW-3	02/11/10	3369.05	59.57	47.90	47.99	0.09	Pumped	0.10	14.90	3321.14	
RW-3	02/11/10	3369.05	59.57	ND	48.52	ND	NA	NA	NA	3320.53	

TABLE 2
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-3	02/17/10	3369.05	59.57	47.97	48.04	0.07	Pumped	0.10	14.90	3321.07	
RW-3	02/17/10	3369.05	59.57	ND	49.72	ND	NA	NA	NA	3319.33	
RW-3	03/02/10	3369.05	59.57	47.95	47.96	0.01	NA	NA	NA	3321.10	
RW-3	03/10/10	3369.05	59.57	47.83	47.94	0.11	Pumped	0.10	9.90	3321.20	
RW-3	03/10/10	3369.05	59.57	ND	48.42	ND	NA	NA	NA	3320.63	
RW-3	03/17/10	3369.05	59.57	47.96	48.02	0.06	Pumped	0.10	14.90	3321.08	
RW-3	03/17/10	3369.05	59.57	ND	49.10	ND	NA	NA	NA	3319.95	
RW-3	03/24/10	3369.05	59.57	47.90	47.95	0.05	Pumped	0.10	24.90	3321.14	
RW-3	03/24/10	3369.05	59.57	ND	48.58	ND	NA	NA	NA	3320.47	
RW-3	03/31/10	3369.05	59.57	47.86	47.89	0.03	NA	NA	NA	3321.19	
RW-3	04/07/10	3369.05	59.57	47.97	48.03	0.06	Pumped	0.10	9.90	3321.07	
RW-3	04/07/10	3369.05	59.57	ND	48.23	ND	NA	NA	NA	3320.82	
RW-3	04/14/10	3369.05	59.57	47.90	47.95	0.05	NA	NA	NA	3321.14	
RW-3	04/21/10	3369.05	59.57	47.77	47.82	0.05	NA	NA	NA	3321.27	
RW-3	04/28/10	3369.05	59.57	47.90	47.98	0.08	Hand Bailed	0.10	9.90	3321.14	
RW-3	04/28/10	3369.05	59.57	ND	48.50	ND	NA	NA	NA	3320.55	
RW-3	05/05/10	3369.05	59.57	47.92	47.96	0.04	NA	NA	NA	3321.12	
RW-3	05/11/10	3369.05	59.57	47.88	47.94	0.06	Pumped	0.10	22.90	3321.16	
RW-3	05/11/10	3369.05	59.57	ND	48.93	ND	NA	NA	NA	3320.12	
RW-3	05/19/10	3369.05	59.57	47.90	47.92	0.02	Pumped	0.10	9.90	3321.15	
RW-3	05/19/10	3369.05	59.57	ND	48.48	ND	NA	NA	NA	3320.57	
RW-3	05/29/10	3369.05	59.57	47.96	47.98	0.02	Pumped	0.10	14.90	3321.09	
RW-3	05/29/10	3369.05	59.57	ND	48.70	ND	NA	NA	NA	3320.35	
RW-3	06/02/10	3369.05	59.57	47.92	47.94	0.02	NA	NA	NA	3321.13	
RW-3	06/12/10	3369.05	59.57	48.00	48.03	0.03	NA	NA	NA	3321.05	
RW-3	06/15/10	3369.05	59.57	47.92	47.98	0.06	Pumped	0.10	9.90	3321.12	
RW-3	06/15/10	3369.05	59.57	ND	49.13	ND	NA	NA	NA	3319.92	
RW-3	06/25/10	3369.05	59.57	48.00	48.04	0.04	NA	NA	NA	3321.04	
RW-3	06/30/10	3369.05	59.57	48.03	48.09	0.06	NA	NA	NA	3321.01	
RW-3	07/07/10	3369.05	59.57	48.02	48.06	0.04	NA	NA	NA	3321.02	
RW-3	07/14/10	3369.05	59.57	47.96	48.06	0.10	NA	NA	NA	3321.08	
RW-3	07/21/10	3369.05	59.57	48.00	48.10	0.10	NA	NA	NA	3321.04	
RW-3	07/28/10	3369.05	59.57	48.01	48.11	0.10	NA	NA	NA	3321.03	
RW-3	08/03/10	3369.05	59.57	47.99	48.12	0.13	Pumped	0.10	9.90	3321.04	
RW-3	08/03/10	3369.05	59.57	ND	48.70	ND	NA	NA	NA	3320.35	
RW-3	08/11/10	3369.05	59.57	47.97	48.07	0.10	NA	NA	NA	3321.07	
RW-3	08/18/10	3369.05	59.57	48.01	48.14	0.13	NA	NA	NA	3321.02	

TABLE 2
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-3	08/25/10	3369.05	59.57	48.06	48.20	0.14	Pumped	0.10	9.90	3320.97	
RW-3	08/25/10	3369.05	59.57	ND	48.52	ND	NA	NA	NA	3320.53	
RW-3	09/01/10	3369.05	59.57	47.88	47.94	0.06	Pumped	0.10	9.90	3321.16	
RW-3	09/01/10	3369.05	59.57	ND	48.85	ND	NA	NA	NA	3320.20	
RW-3	09/08/10	3369.05	59.57	47.91	47.95	0.04	NA	NA	NA	3321.13	
RW-3	09/15/10	3369.05	59.57	47.91	47.96	0.05	Pumped	0.10	9.90	3321.13	
RW-3	09/15/10	3369.05	59.57	ND	49.10	ND	NA	NA	NA	3319.95	
RW-3	09/21/10	3369.05	59.57	47.87	47.88	0.01	NA	NA	NA	3321.18	
RW-3	10/01/10	3369.05	59.57	47.92	47.96	0.04	NA	NA	NA	3321.12	
RW-3	10/06/10	3369.05	59.57	47.88	47.91	0.03	NA	NA	NA	3321.17	
RW-3	10/13/10	3369.05	59.57	47.93	47.98	0.05	Pumped	0.10	19.90	3321.11	
RW-3	10/13/10	3369.05	59.57	ND	49.42	ND	NA	NA	NA	3319.63	
RW-3	10/22/10	3369.05	59.57	47.75	47.77	0.02	NA	NA	NA	3321.30	
RW-3	10/27/10	3369.05	59.57	47.75	47.78	0.03	NA	NA	NA	3321.30	
RW-3	11/03/10	3369.05	59.57	47.81	47.82	0.01	Pumped	0.10	9.90	3321.24	
RW-3	11/03/10	3369.05	59.57	ND	48.41	ND	NA	NA	NA	3320.64	
RW-3	11/10/10	3369.05	59.57	47.59	47.60	0.01	NA	NA	NA	3321.46	
RW-3	11/16/10	3369.05	59.57	47.67	47.68	0.01	NA	NA	NA	3321.38	
RW-3	11/24/10	3369.05	59.57	47.61	47.62	0.01	NA	NA	NA	3321.44	
RW-3	12/01/10	3369.05	59.57	47.55	47.56	0.01	Pumped	0.10	9.90	3321.50	
RW-3	12/01/10	3369.05	59.57	ND	48.19	ND	NA	NA	NA	3320.86	
RW-3	12/08/10	3369.05	59.57	47.62	47.63	0.01	Pumped	0.10	9.90	3321.43	
RW-3	12/08/10	3369.05	59.57	ND	48.33	ND	NA	NA	NA	3320.72	
RW-3	12/15/10	3369.05	59.57	47.43	47.44	0.01	Pumped	0.10	9.90	3321.62	
RW-3	12/15/10	3369.05	59.57	ND	48.05	ND	NA	NA	NA	3321.00	
RW-3	12/21/10	3369.05	59.57	47.55	47.56	0.01	NA	NA	NA	3321.50	
RW-3	01/08/11	3369.05	59.57	47.45	47.46	0.01	NA	NA	NA	3321.60	
RW-3	01/12/11	3369.05	59.57	47.54	47.55	0.01	Handbail	0.10	4.90	3321.51	
RW-3	01/12/11	3369.05	59.57	ND	48.12	ND	NA	NA	NA	3320.93	
RW-3	01/19/11	3369.05	59.57	47.40	47.41	0.01	NA	NA	NA	3321.65	
RW-3	01/25/11	3369.05	59.57	47.51	47.52	0.01	NA	NA	NA	3321.54	
RW-3	02/04/11	3369.05	59.57	47.40	47.41	0.01	NA	NA	NA	3321.65	
RW-3	02/08/11	3369.05	59.57	47.32	47.33	0.01	NA	NA	NA	3321.73	
RW-3	02/16/11	3369.05	59.57	47.35	47.36	0.01	NA	NA	NA	3321.70	
RW-3	02/23/11	3369.05	59.57	47.35	47.36	0.01	NA	NA	NA	3321.70	
RW-3	03/02/11	3369.05	59.57	47.38	47.40	0.02	Hand Bailed	0.00	10.00	3321.67	
RW-3	03/02/11	3369.05	59.57	ND	47.64	ND	NA	NA	NA	3321.41	

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-3	03/08/11	3369.05	59.57	ND	47.37	ND	Hand Bailed	0.10	4.90	3321.68	
RW-3	03/08/11	3369.05	59.57	ND	48.18	ND	NA	NA	NA	3320.87	
RW-3	03/16/11	3369.05	59.57	47.36	47.37	0.01	Hand Bailed	0.10	4.90	3321.69	
RW-3	03/16/11	3369.05	59.57	ND	49.70	ND	NA	NA	NA	3319.35	
RW-3	03/23/11	3369.05	59.57	ND	47.39	ND	NA	NA	NA	3321.66	
RW-3	03/30/11	3369.05	59.57	47.31	47.32	0.01	Pumped	0.10	9.90	3321.74	
RW-3	03/30/11	3369.05	59.57	ND	47.49	ND	NA	NA	NA	3321.56	
RW-3	04/08/11	3369.05	59.57	47.30	47.31	0.01	Hand Bailed	0.10	4.90	3321.75	
RW-3	04/08/11	3369.05	59.57	ND	47.86	ND	NA	NA	NA	3321.19	
RW-3	04/13/11	3369.05	59.57	47.29	47.30	0.01	Hand Bailed	0.10	4.90	3321.76	
RW-3	04/13/11	3369.05	59.57	ND	47.76	ND	NA	NA	NA	3321.29	
RW-3	04/20/11	3369.05	59.57	47.37	47.38	0.01	Hand Bailed	0.10	4.90	3321.68	
RW-3	04/20/11	3369.05	59.57	ND	47.62	ND	NA	NA	NA	3321.43	
RW-3	04/27/11	3369.05	59.57	47.41	47.42	0.01	Pumped	0.10	14.90	3321.64	
RW-3	04/27/11	3369.05	59.57	ND	48.45	ND	NA	NA	NA	3320.60	
RW-3	05/04/11	3369.05	59.57	Sheen	47.33	Sheen	NA	NA	NA	3321.72	
RW-3	05/11/11	3369.05	59.57	47.32	47.33	0.01	Pumped	0.10	9.90	3321.73	
RW-3	05/11/11	3369.05	59.57	ND	47.58	ND	NA	NA	NA	3321.47	
RW-3	05/19/11	3369.05	59.57	47.29	47.30	0.01	NA	0.10	9.90	3321.76	
RW-3	05/19/11	3369.05	59.57	ND	47.56	ND	NA	NA	NA	3321.49	
RW-3	05/24/11	3369.05	59.57	Sheen	47.31	Sheen	NA	NA	NA	3321.74	
RW-3	06/02/11	3369.05	59.57	47.51	47.52	0.01	NA	NA	NA	3321.54	Sampled
RW-3	06/08/11	3369.05	59.57	Sheen	47.40	Sheen	NA	NA	NA	3321.65	
RW-3	06/17/11	3369.05	59.57	Sheen	47.35	Sheen	NA	NA	NA	3321.70	
RW-3	06/21/11	3369.05	59.57	Heavy Sheen	47.14	Heavy Sheen		0.10	0.00	3321.91	
RW-3	06/29/11	3369.05	59.57	47.60	47.61	0.01		0.10	0.00	3321.45	
RW-3	07/06/11	3369.05	59.57	47.63	47.64	0.01	NA	NA	NA	3321.42	
RW-3	07/13/11	3369.05	59.57	47.62	47.63	0.01	NA	NA	NA	3321.43	
RW-3	07/21/11	3369.05	59.57	47.65	47.66	0.01	NA	NA	NA	3321.40	
RW-3	07/27/11	3369.05	59.57	47.66	47.67	0.01	NA	NA	NA	3321.39	
RW-3	08/03/11	3369.05	59.57	47.71	47.73	0.02		0.10	4.90	3321.34	
RW-3	08/03/11	3369.05	59.57	ND	48.21	ND	NA	NA	NA	3320.84	
RW-3	08/11/11	3369.05	59.57	47.74	47.75	0.01		0.10	4.90	3321.31	
RW-3	08/11/11	3369.05	59.57	ND	48.01	ND	NA	NA	NA	3321.04	
RW-3	08/17/11	3369.05	59.57	47.72	47.73	0.01	NA	NA	NA	3321.33	
RW-3	08/24/11	3369.05	59.57	47.80	47.81	0.01	NA	NA	NA	3321.25	
RW-3	08/30/11	3369.05	59.57	47.74	47.75	0.01	NA	NA	NA	3321.31	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-3	09/07/11	3369.05	59.57	47.85	47.88	0.03		0.10	4.90	3321.20	
RW-3	09/07/11	3369.05	59.57	ND	48.31	ND	NA	NA	NA	3320.74	
RW-3	09/14/11	3369.05	59.57	47.83	47.84	0.01		0.10	4.90	3321.22	
RW-3	09/14/11	3369.05	59.57	ND	48.20	ND	NA	NA	NA	3320.85	
RW-3	09/21/11	3369.05	59.57	47.88	47.90	0.02		0.10	4.90	3321.17	
RW-3	09/21/11	3369.05	59.57	ND	48.01	ND	NA	NA	NA	3321.04	
RW-3	09/28/11	3369.05	59.57	47.83	47.84	0.01		0.10	4.90	3321.22	
RW-3	09/28/11	3369.05	59.57	ND	48.01	ND	NA	NA	NA	3321.04	
RW-3	10/05/11	3369.05	59.57	47.81	47.82	0.01	NA	0.10	9.90	3321.24	
RW-3	10/05/11	3369.05	59.57	ND	47.90	ND	NA	NA	NA	3321.15	
RW-3	10/12/11	3369.05	59.57	47.64	47.65	0.01	NA	NA	NA	3321.41	
RW-3	10/18/11	3369.05	59.57	47.97	47.98	0.01		0.10	9.90	3321.08	
RW-3	10/18/11	3369.05	59.57	ND	49.04	ND	NA	NA	NA	3320.01	
RW-3	10/28/11	3369.05	59.57	47.98	48.00	0.02	NA	NA	NA	3321.07	
RW-3	11/02/11	3369.05	59.57	47.48	47.49	0.01	NA	NA	NA	3321.57	
RW-3	11/09/11	3369.05	59.57	48.01	48.02	0.01	Hand Bailed	0.10	4.90	3321.04	
RW-3	11/09/11	3369.05	59.57	ND	48.37	ND	NA	NA	NA	3320.68	
RW-3	11/18/11	3369.05	59.57	47.84	47.85	0.01	NA	NA	NA	3321.21	
RW-3	11/23/11	3369.05	59.57	47.95	47.96	0.01	NA	NA	NA	3321.10	
RW-3	11/29/11	3369.05	59.57	47.95	48.00	0.05	NA	NA	NA	3321.09	
RW-3	12/13/11	3369.05	59.57	47.82	47.84	0.02		0.10	4.90	3321.23	
RW-3	12/13/11	3369.05	59.57	ND	48.80	ND	NA	NA	NA	3320.25	
RW-3	12/20/11	3369.05	59.57	47.89	47.90	0.01	NA	NA	NA	3321.16	
RW-3	12/27/11	3369.05	59.57	47.90	47.91	0.01	NA	NA	NA	3321.15	
RW-3	01/04/12	3369.05	59.57	47.92	47.93	0.01		0.10	4.90	3321.13	
RW-3	01/04/12	3369.05	59.57	ND	48.32	ND	NA	NA	NA	3320.73	
RW-3	01/13/12	3369.05	59.57	47.87	47.88	0.01	Hand Bailed	0.10	4.90	3321.18	
RW-3	01/13/12	3369.05	59.57	ND	47.79	ND	NA	NA	NA	3321.26	
RW-3	01/18/12	3369.05	59.57	47.84	47.85	0.01	NA	NA	NA	3321.21	
RW-3	01/27/12	3369.05	59.57	47.78	47.79	0.01	NA	NA	NA	3321.27	
RW-3	02/02/12	3369.05	59.57	47.74	47.75	0.01		0.10	4.90	3321.31	
RW-3	02/02/12	3369.05	59.57	ND	47.86	ND	NA	NA	NA	3321.19	
RW-3	02/08/12	3369.05	59.57	47.88	47.90	0.02	NA	NA	NA	3321.17	
RW-3	02/15/12	3369.05	59.57	47.78	47.79	0.01	NA	NA	NA	3321.27	
RW-3	02/23/12	3369.05	59.57	47.66	47.67	0.01	NA	NA	NA	3321.39	
RW-3	02/29/12	3369.05	59.57	47.79	47.81	0.02	NA	NA	NA	3321.26	
RW-3	03/06/12	3369.05	59.57	47.72	47.73	0.01	NA	NA	NA	3321.33	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-3	03/14/12	3369.05	59.57	47.78	47.79	0.01	NA	NA	NA	3321.27	
RW-3	03/21/12	3369.05	59.57	47.04	47.05	0.01	NA	NA	NA	3322.01	
RW-3	03/29/12	3369.05	59.57	47.70	47.73	0.03	NA	NA	NA	3321.35	
RW-3	04/03/12	3369.05	59.57	47.79	47.80	0.01	NA	NA	NA	3321.26	
RW-3	04/11/12	3369.05	59.57	47.75	47.76	0.01	NA	NA	NA	3321.30	
RW-3	04/20/12	3369.05	59.57	47.81	47.82	0.01	NA	NA	NA	3321.24	
RW-3	04/26/12	3369.05	59.57	47.72	47.73	0.01	NA	NA	NA	3321.33	
RW-3	05/02/12	3369.05	59.57	47.74	47.76	0.02	NA	NA	NA	3321.31	
RW-3	05/09/12	3369.05	59.57	47.94	47.95	0.01	NA	NA	NA	3321.11	
RW-3	05/16/12	3369.05	59.57	47.97	47.98	0.01	NA	NA	NA	3321.08	
RW-3	05/23/12	3369.05	59.57	48.12	48.13	0.01	NA	NA	NA	3320.93	
RW-3	05/29/12	3369.05	59.57	47.85	47.98	0.13		0.10	9.90	3321.18	
RW-3	05/29/12	3369.05	59.57	ND	49.13	ND	NA		NA	3319.92	
RW-3	06/06/12	3369.05	59.57	47.80	47.90	0.10		0.10	9.90	3321.24	
RW-3	06/06/12	3369.05	59.57	48.62	49.13	0.51	NA	NA	NA	3320.35	
RW-3	06/13/12	3369.05	59.57	47.74	47.84	0.10		0.10	9.90	3321.30	
RW-3	06/13/12	3369.05	59.57	ND	50.37	ND	NA	NA	NA	3318.68	
RW-3	06/19/12	3369.05	59.57	48.88	49.02	0.14	NA	NA	NA	3320.15	
RW-3	06/27/12	3369.05	59.57	49.03	49.21	0.18		0.00	10.00	3319.99	
RW-3	07/05/12	3369.05	59.57	49.28	49.35	0.07	NA	0.10	10.00	3319.76	
RW-3	07/05/12	3369.05	59.57	ND	51.88	ND	NA	NA	NA	3317.17	After Recovery
RW-3	07/11/12	3369.05	59.57	49.37	49.47	0.10	NA	NA	10.00	3319.67	
RW-3	07/11/12	3369.05	59.57	ND	50.68	ND	NA	NA	NA	3318.37	
RW-3	07/18/12	3369.05	59.57	49.55	49.69	0.14	NA	NA	10.00	3319.48	
RW-3	07/18/12	3369.05	59.57	ND	49.68	ND	NA	NA	NA	3319.37	
RW-3	07/25/12	3369.05	59.57	49.61	49.66	0.05	NA	0.10	10.00	3319.43	
RW-3	07/25/12	3369.05	59.57	ND	50.47	ND	NA	NA	NA	3318.58	After Recovery
RW-3	07/31/12	3369.05	59.57	48.84	49.75	0.91	NA	NA	NA	3320.98	
RW-3	08/08/12	3369.05	59.57	49.74	49.91	0.17	NA	NA	NA	3319.45	
RW-3	08/13/12	3369.05	59.57	50.75	50.90	0.15	NA	NA	NA	3318.28	
RW-3	08/20/12	3369.05	59.57	49.73	49.90	0.17	NA	0.10	10.00	3319.29	
RW-3	09/05/12	3369.05	59.57	49.80	49.92	0.12	NA	NA	NA	3319.23	
RW-3	09/12/12	3369.05	59.57	ND	49.60	ND	NA	NA	NA	3319.45	
RW-3	09/19/12	3369.05	59.57	49.58	50.00	0.42	NA	1.00	19.00	3319.41	
RW-3	09/19/12	3369.05	59.57	ND	50.37	ND	NA	NA	NA	3318.68	
RW-3	09/25/12	3369.05	59.57	49.51	49.67	0.16	NA	0.10	10.00	3319.52	
RW-3	09/25/12	3369.05	59.57	ND	50.23	ND	NA	NA	NA	3318.82	

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-3	10/02/12	3369.05	59.57	49.57	49.74	0.17	NA	NA	NA	3319.45	
RW-3	10/10/12	3369.05	59.57	49.58	49.80	0.22	NA	0.10	10.00	3319.44	
RW-3	10/10/12	3369.05	59.57	ND	50.18	ND	NA	NA	NA	3318.87	
RW-3	10/16/12	3369.05	59.57	49.39	49.69	0.30	NA	NA	NA	3319.62	
RW-3	10/24/12	3369.05	59.57	49.40	49.79	0.39	NA	NA	NA	3319.59	
RW-3	10/30/12	3369.05	59.57	49.45	49.93	0.48	NA	0.50	19.50	3319.53	
RW-3	10/30/12	3369.05	59.57	ND	50.80	ND	NA	NA	NA	3318.25	
RW-3	11/06/12	3369.05	59.57	49.55	49.75	0.20	NA	NA	NA	3319.47	
RW-3	11/13/12	3369.05	59.57	49.61	49.92	0.31	NA	0.10	10.00	3319.39	
RW-3	11/13/12	3369.05	59.57	ND	50.43	ND	NA	NA	NA	3318.62	
RW-3	11/19/12	3369.05	59.57	49.61	49.76	0.15	NA	NA	NA	3319.42	
RW-3	12/05/12	3369.05	59.57	49.59	50.22	0.63	NA	0.50	9.50	3319.37	
RW-3	12/05/12	3369.05	59.57	ND	50.78	ND	NA	NA	NA	3318.27	
RW-3	12/11/12	3369.05	59.57	49.68	49.80	0.12	NA	NA	NA	3319.35	
RW-3	01/03/13	3369.05	59.57	49.75	50.88	1.13	NA	NA	NA	3319.13	
RW-3	01/16/13	3369.05	59.57	49.72	51.08	1.36	NA	1.00	8.00	3319.13	
RW-3	01/16/13	3369.05	59.57	ND	51.03	ND	NA	NA	NA	3318.02	
RW-3	01/23/13	3369.05	59.57	49.84	50.21	0.37	NA	0.10	10.00	3319.15	
RW-3	01/23/13	3369.05	59.57	ND	50.20	ND	NA	NA	NA	3318.85	
RW-3	01/30/13	3369.05	59.57	49.88	50.50	0.62	NA	0.10	10.00	3319.08	
RW-3	01/30/13	3369.05	59.57	ND	50.35	ND	NA	NA	NA	3318.70	
RW-3	02/07/13	3369.05	59.57	49.76	50.35	0.59	NA	0.10	10.00	3319.20	
RW-3	02/07/13	3369.05	59.57	ND	50.50	ND	NA	NA	NA	3318.55	
RW-3	02/13/13	3369.05	59.57	49.68	50.45	0.77	NA	NA	NA	3319.25	
RW-3	02/28/13	3369.05	59.57	49.65	50.25	0.60	NA	NA	NA	3319.31	Sampled
RW-3	03/20/13	3369.05	59.57	49.33	50.30	0.97	NA	NA	NA	3319.57	
RW-3	03/29/13	3369.05	59.57	49.61	50.91	1.30	NA	NA	NA	3319.25	
RW-3	03/29/13	3369.05	59.57	ND	51.20	ND	NA	NA	NA	3317.85	
RW-3	04/03/13	3369.05	59.57	49.73	50.55	0.82	NA	0.10	10.00	3319.20	
RW-3	04/03/13	3369.05	59.57	ND	51.25	ND	NA	NA	NA	3317.80	
RW-3	04/09/13	3369.05	59.57	49.86	50.66	0.80	NA	0.50	14.50	3319.07	
RW-3	04/09/13	3369.05	59.57	ND	51.22	ND	NA	NA	NA	3317.83	
RW-3	05/01/13	3369.05	59.57	50.35	50.40	0.05	NA	NA	NA	3318.69	
RW-3	05/15/13	3369.05	59.57	50.38	50.78	0.40	NA	NA	NA	3318.61	
RW-3	05/21/13	3369.05	59.57	50.45	51.55	1.10	NA	0.50	4.90	3318.44	
RW-3	05/21/13	3369.05	59.57	ND	51.46	ND	NA	NA	NA	3317.59	
RW-3	06/04/13	3369.05	59.57	50.20	52.33	2.13	NA	1.00	9.00	3318.53	

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-3	06/04/13	3369.05	59.57	ND	51.55	ND	NA	NA	NA	3317.50	
RW-3	06/12/13	3369.05	59.57	50.40	51.75	1.35	NA	NA	NA	3318.45	
RW-3	06/17/13	3369.05	59.57	50.38	51.49	1.11	NA	2.00	18.00	3318.50	
RW-3	06/26/13	3369.05	59.57	50.28	52.15	1.87	NA	1.00	9.00	3318.49	
RW-3	06/26/13	3369.05	59.57	ND	51.73	ND	NA	NA	NA	3317.32	
RW-3	07/03/13	3369.05	59.57	50.25	52.65	2.40	NA	NA	NA	3318.44	
RW-3	07/10/13	3369.05	59.57	50.22	50.42	0.20	NA	NA	NA	3318.80	
RW-3	07/23/13	3369.05	59.57	50.24	52.28	2.04	NA	2.00	8.00	3318.50	
RW-3	07/30/13	3369.05	59.57	50.37	51.65	1.28	NA	2.00	8.00	3318.49	
RW-3	08/07/13	3369.05	59.57	50.40	51.50	1.10	NA	2.00	8.00	3318.49	
RW-3	08/14/13	3369.05	59.57	50.45	51.90	1.45	NA	1.00	9.00	3318.38	
RW-3	08/21/13	3369.05	59.57	50.45	51.95	1.50	NA	1.50	8.50	3318.38	
RW-3	08/28/13	3369.05	59.57	50.40	52.60	2.20	NA	2.00	8.00	3318.32	
RW-3	09/06/13	3369.05	59.57	50.40	52.45	2.05	NA	NA	NA	3318.34	
RW-3	09/10/13	3369.05	59.57	50.51	51.63	1.12	NA	NA	NA	3318.37	
RW-3	09/21/13	3369.05	59.57	50.47	51.30	0.83	NA	1.00	9.00	3318.46	
RW-3	09/28/13	3369.05	59.57	50.53	50.75	0.22	NA	1.00	9.00	3318.49	
RW-3	10/02/13	3369.05	59.57	50.57	50.95	0.38	NA	0.50	9.50	3318.42	
RW-3	10/11/13	3369.05	59.57	50.60	51.80	1.20	NA	1.00	9.00	3318.27	
RW-3	10/16/13	3369.05	59.57	50.65	51.45	0.80	NA	0.50	9.50	3318.28	
RW-3	10/30/13	3369.05	59.57	50.53	53.13	2.60	NA	3.00	17.00	3318.13	
RW-3	11/07/13	3369.05	59.57	50.66	50.72	0.06	NA	NA	NA	3318.38	
RW-3	11/13/13	3369.05	59.57	50.63	52.92	2.29	NA	2.50	2.50	3318.08	
RW-3	11/20/13	3369.05	59.57	50.50	52.30	1.80	NA	2.00	3.00	3318.28	
RW-3	11/27/13	3369.05	59.57	50.74	52.80	2.06	NA	NA	NA	3318.00	
RW-3	12/11/13	3369.05	59.57	50.83	53.34	2.51	NA	NA	NA	3317.84	
RW-3	12/17/13	3369.05	59.57	50.81	53.00	2.19	NA	NA	NA	3317.91	
RW-4	01/27/10	3367.11	57.63	46.69	46.85	0.16		0.00	24.00	3320.40	
RW-4	02/11/10	3367.11	57.63	46.55	47.15	0.60	Pumped	5.50	19.50	3320.47	
RW-4	02/11/10	3367.11	57.63	ND	47.66	ND	NA	NA	NA	3319.45	
RW-4	02/17/10	3367.11	57.63	ND	46.73	ND	Pumped	0.10	24.90	3320.38	
RW-4	02/17/10	3367.11	57.63	ND	48.13	ND	NA	NA	NA	3318.98	
RW-4	03/02/10	3367.11	57.63	46.65	46.66	0.01	Pumped	0.10	14.90	3320.46	
RW-4	03/02/10	3367.11	57.63	ND	47.30	ND	NA	NA	NA	3319.81	
RW-4	03/10/10	3367.11	57.63	ND	47.56	ND	Pumped	0.25	19.75	3319.55	
RW-4	03/10/10	3367.11	57.63	ND	47.91	ND	NA	NA	NA	3319.20	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-4	03/17/10	3367.11	57.63	46.71	46.77	0.06	Pumped	0.10	19.90	3320.39	
RW-4	03/17/10	3367.11	57.63	ND	47.96	ND	NA	NA	NA	3319.15	
RW-4	03/24/10	3367.11	57.63	46.63	46.64	0.01	Pumped	0.10	19.90	3320.48	
RW-4	03/24/10	3367.11	57.63	ND	48.02	ND	NA	NA	NA	3319.09	
RW-4	03/31/10	3367.11	57.63	46.60	46.61	0.01	Pumped	0.10	29.90	3320.51	
RW-4	03/31/10	3367.11	57.63	ND	47.31	ND	NA	NA	NA	3319.80	
RW-4	04/07/10	3367.11	57.63	ND	46.70	ND	Pumped	0.10	19.90	3320.41	
RW-4	04/07/10	3367.11	57.63	ND	47.98	ND	NA	NA	NA	3319.13	
RW-4	04/14/10	3367.11	57.63	46.63	46.64	0.01	Pumped	0.10	19.90	3320.48	
RW-4	04/14/10	3367.11	57.63	ND	47.22	ND	NA	NA	NA	3319.89	
RW-4	04/21/10	3367.11	57.63	ND	46.48	ND	Pumped	0.10	14.90	3320.63	
RW-4	04/21/10	3367.11	57.63	ND	48.50	ND	NA	NA	NA	3318.61	
RW-4	04/28/10	3367.11	57.63	46.60	46.62	0.02	Pumped	0.10	24.90	3320.51	
RW-4	04/28/10	3367.11	57.63	ND	48.43	ND	NA	NA	NA	3318.68	
RW-4	05/05/10	3367.11	57.63	46.61	46.62	0.01	NA	NA	NA	3320.50	
RW-4	05/11/10	3367.11	57.63	ND	46.60	ND	Pumped	0.10	21.90	3320.51	
RW-4	05/11/10	3367.11	57.63	47.63	47.65	0.02	NA	NA	NA	3319.48	
RW-4	05/19/10	3367.11	57.63	46.61	46.65	0.04	Pumped	0.10	19.90	3320.49	
RW-4	05/19/10	3367.11	57.63	ND	47.23	ND	NA	NA	NA	3319.88	
RW-4	05/29/10	3367.11	57.63	46.65	46.67	0.02	Pumped	0.10	14.90	3320.46	
RW-4	05/29/10	3367.11	57.63	ND	48.60	ND	NA	NA	NA	3318.51	
RW-4	06/02/10	3367.11	57.63	ND	47.62	ND	Pumped	0.10	19.90	3319.49	
RW-4	06/02/10	3367.11	57.63	ND	49.10	ND	NA	NA	NA	3318.01	
RW-4	06/12/10	3367.11	57.63	46.70	46.71	0.01	Pumped	<0.25	20.00	3320.41	
RW-4	06/12/10	3367.11	57.63	ND	47.81	ND	NA	NA	NA	3319.30	
RW-4	06/15/10	3367.11	57.63	46.69	46.70	0.01	Pumped	<0.25	20.00	3320.42	
RW-4	06/15/10	3367.11	57.63	ND	49.20	ND	NA	NA	NA	3317.91	
RW-4	06/25/10	3367.11	57.63	ND	46.72	ND	Pumped	0.10	19.90	3320.39	
RW-4	06/25/10	3367.11	57.63	ND	47.70	ND	NA	NA	NA	3319.41	
RW-4	06/30/10	3367.11	57.63	ND	46.76	ND	Pumped	NA	NA	3320.35	
RW-4	07/07/10	3367.11	57.63	46.73	46.74	0.01	Pumped	0.10	19.90	3320.38	
RW-4	07/07/10	3367.11	57.63	ND	48.39	ND	NA	NA	NA	3318.72	
RW-4	07/14/10	3367.11	57.63	ND	46.70	ND	NA	NA	NA	3320.41	
RW-4	07/21/10	3367.11	57.63	46.71	46.72	0.01	Pumped	0.10	14.90	3320.40	
RW-4	07/21/10	3367.11	57.63	ND	49.33	ND	NA	NA	NA	3317.78	
RW-4	07/28/10	3367.11	57.63	ND	46.71	ND	NA	NA	NA	3320.40	
RW-4	08/03/10	3367.11	57.63	ND	46.70	ND	NA	NA	NA	3320.41	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
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Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-4	08/11/10	3367.11	57.63	ND	46.72	ND	Pumped	0.10	19.90	3320.39	
RW-4	08/11/10	3367.11	57.63	ND	47.64	ND	NA	NA	NA	3319.47	
RW-4	08/18/10	3367.11	57.63	46.72	46.73	0.01	NA	NA	NA	3320.39	
RW-4	08/25/10	3367.11	57.63	46.78	46.79	0.01	Pumped	0.10	19.90	3320.33	
RW-4	08/25/10	3367.11	57.63	46.72	46.73	0.01	NA	NA	NA	3320.39	
RW-4	09/01/10	3367.11	57.63	ND	46.61	ND	Pumped	0.10	19.90	3320.50	
RW-4	09/01/10	3367.11	57.63	ND	48.90	ND	NA	NA	NA	3318.21	
RW-4	09/08/10	3367.11	57.63	46.64	46.65	0.01	Pumped	0.10	19.90	3320.47	
RW-4	09/08/10	3367.11	57.63	ND	48.20	ND	NA	NA	NA	3318.91	
RW-4	09/15/10	3367.11	57.63	46.62	46.63	0.01	Pumped	0.10	29.90	3320.49	
RW-4	09/15/10	3367.11	57.63	ND	48.05	ND	NA	NA	NA	3319.06	
RW-4	09/21/10	3367.11	57.63	46.56	46.57	0.01	Pumped	0.10	19.90	3320.55	
RW-4	09/21/10	3367.11	57.63	ND	47.95	ND	NA	NA	NA	3319.16	
RW-4	10/01/10	3367.11	57.63	46.63	46.64	0.01	Pumped	0.10	14.90	3320.48	
RW-4	10/01/10	3367.11	57.63	ND	49.33	ND	NA	NA	NA	3317.78	
RW-4	10/06/10	3367.11	57.63	ND	46.60	ND	Pumped	0.10	9.90	3320.51	
RW-4	10/06/10	3367.11	57.63	ND	48.10	ND	NA	NA	NA	3319.01	
RW-4	10/13/10	3367.11	57.63	46.65	46.67	0.02	Pumped	0.10	19.90	3320.46	
RW-4	10/13/10	3367.11	57.63	ND	48.01	ND	NA	NA	NA	3319.10	
RW-4	10/22/10	3367.11	57.63	46.46	46.47	0.01	NA	NA	NA	3320.65	
RW-4	10/27/10	3367.11	57.63	46.48	46.52	0.04	Pumped	0.10	19.90	3320.62	
RW-4	10/27/10	3367.11	57.63	ND	48.12	ND	NA	NA	NA	3318.99	
RW-4	11/03/10	3367.11	57.63	46.52	46.53	0.01	Pumped	0.10	9.90	3320.59	
RW-4	11/03/10	3367.11	57.63	ND	47.30	ND	NA	NA	NA	3319.81	
RW-4	11/10/10	3367.11	57.63	ND	46.31	ND	NA	NA	NA	3320.80	
RW-4	11/16/10	3367.11	57.63	ND	46.39	ND	Pumped	0.10	9.90	3320.72	
RW-4	11/16/10	3367.11	57.63	ND	48.44	ND	NA	NA	NA	3318.67	
RW-4	11/24/10	3367.11	57.63	46.33	46.34	0.01	Pumped	0.10	19.90	3320.78	
RW-4	11/24/10	3367.11	57.63	ND	48.05	ND	NA	NA	NA	3319.06	
RW-4	12/01/10	3367.11	57.63	ND	46.26	ND	NA	NA	NA	3320.85	
RW-4	12/08/10	3367.11	57.63	46.34	46.35	0.01	Pumped	0.10	9.90	3320.77	
RW-4	12/08/10	3367.11	57.63	ND	48.16	ND	NA	NA	NA	3318.95	
RW-4	12/15/10	3367.11	57.63	46.14	46.15	0.01	Pumped	0.10	9.90	3320.97	
RW-4	12/15/10	3367.11	57.63	ND	47.85	ND	NA	NA	NA	3319.26	
RW-4	12/21/10	3367.11	57.63	46.28	46.30	0.02	Pumped	0.10	14.90	3320.83	
RW-4	12/21/10	3367.11	57.63	ND	48.04	ND	NA	NA	NA	3319.07	
RW-4	01/08/11	3367.11	57.63	46.15	46.16	0.01	NA	NA	NA	3320.96	

TABLE 2
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Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-4	01/12/11	3367.11	57.63	ND	46.25	ND	NA	NA	NA	3320.86	
RW-4	01/19/11	3367.11	57.63	46.11	46.13	0.02	Pumped	0.20	19.80	3321.00	
RW-4	01/19/11	3367.11	57.63	ND	47.95	ND	NA	NA	NA	3319.16	
RW-4	01/25/11	3367.11	57.63	46.23	46.24	0.01	Pumped	0.10	19.90	3320.88	
RW-4	01/25/11	3367.11	57.63	ND	47.23	ND	NA	NA	NA	3319.88	
RW-4	02/04/11	3367.11	57.63	46.10	46.12	0.02	Pumped	0.10	9.90	3321.01	
RW-4	02/04/11	3367.11	57.63	ND	48.03	ND	NA	NA	NA	3319.08	
RW-4	02/08/11	3367.11	57.63	46.03	46.05	0.02	Pumped	0.10	9.90	3321.08	
RW-4	02/08/11	3367.11	57.63	ND	47.36	ND	NA	NA	NA	3319.75	
RW-4	02/16/11	3367.11	57.63	46.06	46.07	0.01	Pumped	0.10	14.90	3321.05	
RW-4	02/16/11	3367.11	57.63	ND	48.15	ND	NA	NA	NA	3318.96	
RW-4	02/23/11	3367.11	57.63	46.06	46.07	0.01	Pumped	0.20	9.80	3321.05	
RW-4	02/23/11	3367.11	57.63	ND	47.83	ND	NA	NA	NA	3319.28	
RW-4	03/02/11	3367.11	57.63	46.10	46.12	0.02	Pumped	0.10	14.90	3321.01	
RW-4	03/02/11	3367.11	57.63	ND	47.96	ND	NA	NA	NA	3319.15	
RW-4	03/08/11	3367.11	57.63	46.08	46.10	0.02	Hand Bailed	0.10	4.90	3321.03	
RW-4	03/08/11	3367.11	57.63	ND	47.17	ND	NA	NA	NA	3319.94	
RW-4	03/16/11	3367.11	57.63	46.07	46.11	0.04	Hand Bailed	0.10	4.90	3321.03	
RW-4	03/16/11	3367.11	57.63	ND	47.06	ND	NA	NA	NA	3320.05	
RW-4	03/23/11	3367.11	57.63	46.10	46.13	0.03	Hand Bailed	0.10	4.90	3321.01	
RW-4	03/23/11	3367.11	57.63	ND	46.96	ND	NA	NA	NA	3320.15	
RW-4	03/30/11	3367.11	57.63	46.02	46.04	0.02	Pumped	0.10	19.90	3321.09	
RW-4	03/30/11	3367.11	57.63	ND	47.45	ND	NA	NA	NA	3319.66	
RW-4	04/08/11	3367.11	57.63	46.00	46.04	0.04	Hand Bailed	0.10	4.90	3321.10	
RW-4	04/08/11	3367.11	57.63	ND	47.02	ND	NA	NA	NA	3320.09	
RW-4	04/13/11	3367.11	57.63	46.01	46.02	0.01	Hand Bailed	0.10	4.90	3321.10	
RW-4	04/13/11	3367.11	57.63	ND	47.11	ND	NA	NA	NA	3320.00	
RW-4	04/20/11	3367.11	57.63	46.10	46.12	0.02	Hand Bailed	0.10	4.90	3321.01	
RW-4	04/20/11	3367.11	57.63	ND	47.00	ND	NA	NA	NA	3320.11	
RW-4	04/27/11	3367.11	57.63	46.14	46.16	0.02	Pumped	0.10	19.90	3320.97	
RW-4	04/27/11	3367.11	57.63	ND	48.76	ND	NA	NA	NA	3318.35	
RW-4	05/04/11	3367.11	57.63	46.03	46.05	0.02	Pumped	0.10	29.90	3321.08	
RW-4	05/04/11	3367.11	57.63	ND	48.83	ND	NA	NA	NA	3318.28	
RW-4	05/11/11	3367.11	57.63	46.08	46.11	0.03	Pumped	0.10	19.90	3321.03	
RW-4	05/11/11	3367.11	57.63	ND	47.26	ND	NA	NA	NA	3319.85	
RW-4	05/19/11	3367.11	57.63	46.02	46.06	0.04		0.10	9.90	3321.08	
RW-4	05/19/11	3367.11	57.63	ND	47.63	ND	NA	NA	NA	3319.48	

TABLE 2
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-4	05/24/11	3367.11	57.63	46.02	46.06	0.04		0.10	9.90	3321.08	
RW-4	05/24/11	3367.11	57.63	ND	46.91	ND	NA	NA	NA	3320.20	
RW-4	06/02/11	3367.11	57.63	Sheen	46.24	Sheen	NA	NA	NA	3320.87	Sampled
RW-4	06/08/11	3367.11	57.63	46.05	46.09	0.04		0.10	14.90	3321.05	
RW-4	06/08/11	3367.11	57.63	ND	47.10	ND	NA	NA	NA	3320.01	
RW-4	06/17/11	3367.11	57.63	46.10	46.13	0.03		0.10	9.90	3321.01	
RW-4	06/17/11	3367.11	57.63	ND	47.18	ND	NA	NA	NA	3319.93	
RW-4	06/21/11	3367.11	57.63	46.08	46.10	0.02		0.10	9.90	3321.03	
RW-4	06/21/11	3367.11	57.63	ND	47.22	ND	NA	NA	NA	3319.89	
RW-4	06/29/11	3367.11	57.63	46.33	46.36	0.03		0.10	9.90	3320.78	
RW-4	06/29/11	3367.11	57.63	ND	47.13	ND	NA	NA	NA	3319.98	
RW-4	07/06/11	3367.11	57.63	46.37	46.43	0.06		0.10	4.90	3320.73	
RW-4	07/06/11	3367.11	57.63	ND	47.07	ND	NA	NA	NA	3320.04	
RW-4	07/13/11	3367.11	57.63	46.35	46.39	0.04		0.10	14.90	3320.75	
RW-4	07/13/11	3367.11	57.63	ND	47.25	ND	NA	NA	NA	3319.86	
RW-4	07/21/11	3367.11	57.63	46.38	46.41	0.03		0.10	4.90	3320.73	
RW-4	07/21/11	3367.11	57.63	ND	47.11	ND	NA	NA	NA	3320.00	
RW-4	07/27/11	3367.11	57.63	46.40	46.46	0.06	Hand Bailed	0.10	9.90	3320.70	
RW-4	07/27/11	3367.11	57.63	ND	47.85	ND	NA	NA	NA	3319.26	
RW-4	08/03/11	3367.11	57.63	46.46	46.55	0.09		0.10	9.90	3320.64	
RW-4	08/03/11	3367.11	57.63	ND	48.34	ND	NA	NA	NA	3318.77	
RW-4	08/11/11	3367.11	57.63	46.46	46.58	0.12		0.10	4.90	3320.63	
RW-4	08/11/11	3367.11	57.63	ND	46.96	ND	NA	NA	NA	3320.15	
RW-4	08/17/11	3367.11	57.63	46.43	46.53	0.10		0.20	19.80	3320.67	
RW-4	08/17/11	3367.11	57.63	ND	47.15	ND	NA	NA	NA	3319.96	
RW-4	08/24/11	3367.11	57.63	46.51	46.55	0.04	Hand Bailed	0.10	9.90	3320.59	
RW-4	08/24/11	3367.11	57.63	ND	47.38	ND	NA	NA	NA	3319.73	
RW-4	08/30/11	3367.11	57.63	46.46	46.47	0.01		0.10	4.90	3320.65	
RW-4	08/30/11	3367.11	57.63	ND	47.40	ND	NA	NA	NA	3319.71	
RW-4	09/07/11	3367.11	57.63	46.60	46.64	0.04		0.10	4.90	3320.50	
RW-4	09/07/11	3367.11	57.63	ND	47.35	ND	NA	NA	NA	3319.76	
RW-4	09/14/11	3367.11	57.63	46.56	46.57	0.01	NA	NA	NA	3320.55	
RW-4	09/21/11	3367.11	57.63	46.60	46.61	0.01		0.10	4.90	3320.51	
RW-4	09/21/11	3367.11	57.63	ND	47.49	ND	NA	NA	NA	3319.62	
RW-4	09/28/11	3367.11	57.63	46.57	46.58	0.01		0.10	4.90	3320.54	
RW-4	09/28/11	3367.11	57.63	ND	47.15	ND	NA	NA	NA	3319.96	
RW-4	10/05/11	3367.11	57.63	46.53	46.55	0.02		<0.25	20.00	3320.58	Clear at 5 gal

TABLE 2
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-4	10/05/11	3367.11	57.63	ND	50.18	ND	NA	NA	NA	3316.93	
RW-4	10/12/11	3367.11	57.63	46.48	46.62	0.14		0.10	19.90	3320.61	Clear at 5 gal
RW-4	10/12/11	3367.11	57.63	ND	49.85	ND	NA	NA	NA	3317.26	
RW-4	10/18/11	3367.11	57.63	46.72	46.77	0.05		0.10	14.90	3320.38	Clear at 3 gal
RW-4	10/18/11	3367.11	57.63	ND	48.95	ND	NA	NA	NA	3318.16	
RW-4	10/28/11	3367.11	57.63	46.72	46.74	0.02		0.10	9.90	3320.39	
RW-4	10/28/11	3367.11	57.63	ND	48.88	ND	NA	NA	NA	3318.23	
RW-4	11/02/11	3367.11	57.63	48.48	48.50	0.02	Pumped	0.10	29.90	3318.63	Clear at 4 gal
RW-4	11/02/11	3367.11	57.63	ND	50.71	ND	NA	NA	NA	3316.40	
RW-4	11/09/11	3367.11	57.63	46.76	46.79	0.03	Hand Bailed	0.10	4.90	3320.35	
RW-4	11/09/11	3367.11	57.63	ND	47.55	ND	NA	NA	NA	3319.56	
RW-4	11/18/11	3367.11	57.63	46.54	46.55	0.01		0.10	4.90	3320.57	
RW-4	11/18/11	3367.11	57.63	ND	47.36	ND	NA	NA	NA	3319.75	
RW-4	11/23/11	3367.11	57.63	46.65	46.71	0.06		0.10	9.90	3320.45	
RW-4	11/23/11	3367.11	57.63	ND	47.71	ND	NA	NA	NA	3319.40	
RW-4	11/29/11	3367.11	57.63	46.65	46.70	0.05	NA	NA	NA	3320.45	
RW-4	12/13/11	3367.11	57.63	46.52	46.56	0.04		0.10	14.90	3320.58	
RW-4	12/13/11	3367.11	57.63	ND	47.59	ND	NA	NA	NA	3319.52	
RW-4	12/20/11	3367.11	57.63	46.63	46.74	0.11		0.10	19.90	3320.46	
RW-4	12/20/11	3367.11	57.63	ND	49.49	ND	NA	NA	NA	3317.62	
RW-4	12/27/11	3367.11	57.63	46.60	46.67	0.07		0.10	4.90	3320.50	
RW-4	12/27/11	3367.11	57.63	ND	49.10	ND	NA	NA	NA	3318.01	
RW-4	01/04/12	3367.11	57.63	46.67	46.69	0.02	NA	NA	NA	3320.44	
RW-4	01/13/12	3367.11	57.63	ND	46.61	ND	NA	NA	NA	3320.50	
RW-4	01/18/12	3367.11	57.63	46.57	46.58	0.01	Pumped	0.10	19.90	3320.54	
RW-4	01/18/12	3367.11	57.63	ND	49.31	ND	NA	NA	NA	3317.80	
RW-4	01/27/12	3367.11	57.63	46.48	46.51	0.03		0.10	14.90	3320.63	
RW-4	01/27/12	3367.11	57.63	ND	49.10	ND	NA	NA	NA	3318.01	
RW-4	02/02/12	3367.11	57.63	46.43	46.45	0.02	NA	NA	NA	3320.68	
RW-4	02/08/12	3367.11	57.63	46.59	46.63	0.04		0.10	19.90	3320.51	
RW-4	02/08/12	3367.11	57.63	ND	48.09	ND	NA	NA	NA	3319.02	
RW-4	02/15/12	3367.11	57.63	46.50	46.55	0.05		0.10	9.90	3320.60	
RW-4	02/15/12	3367.11	57.63	ND	48.10	ND	NA	NA	NA	3319.01	
RW-4	02/23/12	3367.11	57.63	46.36	46.38	0.02	NA	NA	NA	3320.75	
RW-4	02/29/12	3367.11	57.63	46.50	46.55	0.05		0.10	9.90	3320.60	
RW-4	02/29/12	3367.11	57.63	ND	48.03	ND	NA	NA	NA	3319.08	
RW-4	03/06/12	3367.11	57.63	ND	46.43	ND		0.10	19.90	3320.68	

TABLE 2
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Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-4	03/06/12	3367.11	57.63	ND	47.45	ND	NA	NA	NA	3319.66	
RW-4	03/14/12	3367.11	57.63	46.52	46.60	0.08		0.10	14.90	3320.58	
RW-4	03/14/12	3367.11	57.63	ND	49.20	ND	NA	NA	NA	3317.91	
RW-4	03/21/12	3367.11	57.63	46.37	46.42	0.05		0.10	19.90	3320.73	
RW-4	03/21/12	3367.11	57.63	ND	49.63	ND	NA	NA	NA	3317.48	
RW-4	03/29/12	3367.11	57.63	46.42	46.46	0.04	Pump	0.10	14.90	3320.68	
RW-4	03/29/12	3367.11	57.63	ND	48.06	ND	NA	NA	NA	3319.05	
RW-4	04/03/12	3367.11	57.63	46.51	46.58	0.07	Pump	0.10	9.90	3320.59	
RW-4	04/03/12	3367.11	57.63	ND	51.80	ND	NA	NA	NA	3315.31	
RW-4	04/11/12	3367.11	57.63	46.48	46.53	0.05	Pump	0.10	9.90	3320.62	
RW-4	04/11/12	3367.11	57.63	ND	51.55	ND	NA	NA	NA	3315.56	
RW-4	04/20/12	3367.11	57.63	46.54	46.64	0.10	Pump	0.10	14.90	3320.56	
RW-4	04/20/12	3367.11	57.63	ND	49.18	ND	NA	NA	NA	3317.93	
RW-4	04/26/12	3367.11	57.63	46.45	46.50	0.05	Pump	0.10	14.90	3320.65	
RW-4	04/26/12	3367.11	57.63	ND	47.47	ND	NA	NA	NA	3319.64	
RW-4	05/02/12	3367.11	57.63	46.48	46.55	0.07		0.10	14.90	3320.62	
RW-4	05/02/12	3367.11	57.63	ND	51.55	ND	NA	NA	NA	3315.56	
RW-4	05/09/12	3367.11	57.63	46.62	46.69	0.07		0.10	14.90	3320.48	
RW-4	05/09/12	3367.11	57.63	ND	48.10	ND	NA	NA	NA	3319.01	
RW-4	05/16/12	3367.11	57.63	46.65	46.68	0.03		0.10	14.90	3320.46	
RW-4	05/16/12	3367.11	57.63	ND	47.13	ND	NA	NA	NA	3319.98	
RW-4	05/23/12	3367.11	57.63	46.74	46.75	0.01	NA	NA	NA	3320.37	
RW-4	05/29/12	3367.11	57.63	47.00	47.02	0.02	NA	NA	NA	3320.11	
RW-4	06/06/12	3367.11	57.63	47.25	47.29	0.04		0.10	9.90	3319.85	
RW-4	06/06/12	3367.11	57.63	ND	48.75	ND	NA	NA	NA	3318.36	
RW-4	06/13/12	3367.11	57.63	47.38	47.42	0.04		0.10	9.90	3319.72	
RW-4	06/13/12	3367.11	57.63	ND	50.18	ND	NA	NA	NA	3316.93	
RW-4	06/19/12	3367.11	57.63	47.41	47.65	0.24		0.10	9.90	3319.66	
RW-4	06/19/12	3367.11	57.63	ND	48.82	ND	NA	NA	NA	3318.29	
RW-4	06/27/12	3367.11	57.63	47.62	47.71	0.09		0.00	10.00	3319.48	
RW-4	06/27/12	3367.11	57.63	ND	47.54	ND	NA	NA	NA	3319.57	
RW-4	07/05/12	3367.11	57.63	ND	47.82	47.88	NA	NA	NA	3319.29	
RW-4	07/05/12	3367.11	57.63	ND	52.32	ND	NA	NA	NA	3314.79	
RW-4	07/11/12	3367.11	57.63	47.90	47.98	0.08	NA	NA	10.00	3319.20	
RW-4	07/11/12	3367.11	57.63	ND	49.13	ND	NA	NA	NA	3317.98	
RW-4	07/18/12	3367.11	57.63	48.05	48.14	0.09	NA	NA	NA	3319.05	
RW-4	07/25/12	3367.11	57.63	48.12	48.22	0.10	NA	0.10	5.00	3318.98	

TABLE 2
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Plains Marketing, L.P.
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-4	07/25/12	3367.11	57.63	ND	48.91	ND	NA	NA	NA	3318.20	
RW-4	07/31/12	3367.11	57.63	48.24	48.30	0.06	NA	NA	NA	3318.86	
RW-4	08/08/12	3367.11	57.63	48.32	48.40	0.08	NA	NA	NA	3318.78	
RW-4	08/13/12	3367.11	57.63	48.31	48.41	0.1	NA	0.1	10	3318.79	
RW-4	08/13/12	3367.11	57.63	ND	49.57	ND	NA	NA	NA	3317.54	
RW-4	08/20/12	3367.11	57.63	48.30	48.33	0.03	NA	NA	NA	3318.81	
RW-4	09/05/12	3367.11	57.63	48.30	48.36	0.06	NA	0.10	10.00	3318.80	
RW-4	09/05/12	3367.11	57.63	ND	49.25	ND	NA	NA	NA	3317.86	
RW-4	09/12/12	3367.11	57.63	ND	48.26	ND	NA	NA	NA	3318.85	
RW-4	09/19/12	3367.11	57.63	48.25	48.35	0.10	NA	0.10	10.00	3318.85	
RW-4	09/19/12	3367.11	57.63	ND	50.40	ND	NA	NA	NA	3316.71	
RW-4	09/25/12	3367.11	57.63	48.16	48.22	0.06	NA	NA	NA	3318.94	
RW-4	10/02/12	3367.11	57.63	48.22	48.32	0.10	NA	NA	NA	3318.88	
RW-4	10/10/12	3367.11	57.63	48.22	48.41	0.19	NA	0.10	10.00	3318.86	
RW-4	10/10/12	3367.11	57.63	ND	50.68	ND	NA	NA	NA	3316.43	
RW-4	10/16/12	3367.11	57.63	48.05	48.25	0.20	NA	0.10	10.00	3319.03	
RW-4	10/24/12	3367.11	57.63	48.08	48.20	0.12	NA	NA	NA	3319.01	
RW-4	10/30/12	3367.11	57.63	48.12	48.38	0.26	NA	0.10	20.00	3318.95	
RW-4	10/30/12	3367.11	57.63	ND	51.48	ND	NA	NA	NA	3315.63	
RW-4	11/06/12	3367.11	57.63	48.20	48.34	0.14	NA	NA	NA	3318.89	
RW-4	11/13/12	3367.11	57.63	48.25	48.55	0.30	NA	0.10	10.00	3318.82	
RW-4	11/13/12	3367.11	57.63	ND	49.50	ND	NA	NA	NA	3317.61	
RW-4	11/19/12	3367.11	57.63	48.21	48.51	0.30	NA	NA	NA	3318.86	
RW-4	12/05/12	3367.11	57.63	48.22	48.73	0.51	NA	1.00	14.00	3318.81	
RW-4	12/05/12	3367.11	57.63	ND	50.76	ND	NA	NA	NA	3316.35	
RW-4	12/11/12	3367.11	57.63	49.29	49.48	0.19	NA	NA	NA	3317.79	
RW-4	01/03/13	3367.11	57.63	48.40	49.30	0.90	NA	NA	NA	3318.58	
RW-4	01/16/13	3367.11	57.63	48.38	49.55	1.17	NA	1.00	14.00	3318.55	
RW-4	01/16/13	3367.11	57.63	ND	50.29	ND	NA	NA	NA	3316.82	
RW-4	01/23/13	3367.11	57.63	48.45	48.85	0.40	NA	0.10	15.00	3318.60	
RW-4	01/23/13	3367.11	57.63	ND	51.32	ND	NA	NA	NA	3315.79	
RW-4	01/30/13	3367.11	57.63	48.46	49.15	0.69	NA	0.10	10.00	3318.55	
RW-4	01/30/13	3367.11	57.63	ND	51.22	ND	NA	NA	NA	3315.89	
RW-4	02/07/13	3367.11	57.63	48.46	48.78	0.32	NA	0.10	10.00	3318.60	
RW-4	02/07/13	3367.11	57.63	ND	51.21	ND	NA	NA	NA	3315.90	
RW-4	02/13/13	3367.11	57.63	48.33	48.90	0.57	NA	NA	NA	3318.69	
RW-4	02/28/13	3367.11	57.63	48.35	48.50	0.15	NA	NA	NA	3318.74	Sampled

TABLE 2
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-4	03/20/13	3367.11	57.63	47.95	49.10	1.15	NA	NA	NA	3318.99	
RW-4	03/29/13	3367.11	57.63	48.17	49.70	1.53	NA	1.00	9.00	3318.71	
RW-4	03/29/13	3367.11	57.63	ND	49.71	ND	NA	NA	NA	3317.40	
RW-4	04/03/13	3367.11	57.63	48.35	48.50	0.15	NA	NA	NA	3318.74	
RW-4	04/09/13	3367.11	57.63	48.46	48.96	0.50	NA	0.50	14.50	3318.58	
RW-4	04/09/13	3367.11	57.63	ND	52.80	ND	NA	NA	NA	3314.31	
RW-4	05/01/13	3367.11	57.63	48.79	49.38	0.59	NA	0.50	9.50	3318.23	
RW-4	05/01/13	3367.11	57.63	ND	50.32	ND	NA	NA	NA	3316.79	
RW-4	05/15/13	3367.11	57.63	48.78	50.09	1.31	NA	1.50	10.00	3318.13	
RW-4	05/15/13	3367.11	57.63	ND	51.18	ND	NA	NA	NA	3315.93	
RW-4	05/21/13	3367.11	57.63	48.90	50.35	1.45	NA	NA	NA	3317.99	
RW-4	06/04/13	3367.11	57.63	48.83	50.55	1.72	NA	2.00	13.00	3318.02	
RW-4	06/04/13	3367.11	57.63	ND	51.64	ND	NA	NA	NA	3315.47	
RW-4	06/12/13	3367.11	57.63	49.14	49.30	0.16	NA	NA	NA	3317.95	
RW-4	06/17/13	3367.11	57.63	49.08	49.36	0.28	NA	0.50	9.50	3317.99	
RW-4	06/26/13	3367.11	57.63	49.07	49.49	0.42	NA	NA	NA	3317.98	
RW-4	07/03/13	3367.11	57.63	49.09	49.69	0.60	NA	0.50	9.50	3317.93	
RW-4	07/10/13	3367.11	57.63	49.14	49.82	0.68	NA	0.50	9.50	3317.87	
RW-4	07/23/13	3367.11	57.63	49.07	49.60	0.53	NA	0.50	4.50	3317.96	
RW-4	07/30/13	3367.11	57.63	49.08	49.54	0.46	NA	1.00	9.00	3317.96	
RW-4	08/07/13	3367.11	57.63	49.12	49.25	0.13	NA	0.50	9.50	3317.97	
RW-4	08/14/13	3367.11	57.63	49.20	49.60	0.40	NA	0.50	9.50	3317.85	
RW-4	08/21/13	3367.11	57.63	49.17	49.72	0.55	NA	0.50	9.50	3317.86	
RW-4	08/28/13	3367.11	57.63	49.23	49.85	0.62	NA	1.00	9.00	3317.79	
RW-4	09/06/13	3367.11	57.63	49.23	49.60	0.37	NA	NA	NA	3317.82	
RW-4	09/10/13	3367.11	57.63	49.20	49.61	0.41	NA	NA	NA	3317.85	
RW-4	09/21/13	3367.11	57.63	49.21	49.48	0.27	NA	NA	NA	3317.86	
RW-4	09/28/13	3367.11	57.63	49.22	49.60	0.38	NA	NA	NA	3317.83	
RW-4	10/02/13	3367.11	57.63	49.25	49.75	0.50	NA	0.50	9.50	3317.79	
RW-4	10/11/13	3367.11	57.63	49.26	49.86	0.60	NA	0.50	9.50	3317.76	
RW-4	10/16/13	3367.11	57.63	49.30	49.90	0.60	NA	0.50	9.50	3317.72	
RW-4	10/30/13	3367.11	57.63	49.35	50.13	0.78	NA	0.50	9.50	3317.64	
RW-4	11/07/13	3367.11	57.63	ND	47.38	ND	NA	NA	NA	3319.73	
RW-4	11/13/13	3367.11	57.63	49.44	49.86	0.42	NA	0.25	4.75	3317.61	
RW-4	11/20/13	3367.11	57.63	49.60	50.21	0.61	NA	NA	NA	3317.42	
RW-4	11/27/13	3367.11	57.63	49.51	50.15	0.64	NA	2.00	3.00	3317.50	
RW-4	12/11/13	3367.11	57.63	49.63	50.40	0.77	NA	NA	NA	3317.36	

TABLE 2
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-4	12/17/13	3367.11	57.63	49.62	49.97	0.35	NA	NA	NA	3317.44	
RW-5	01/27/10	3368.34	59.73	47.58	47.59	0.01		0.00	21.50	3320.76	
RW-5	02/11/10	3368.34	59.73	47.50	47.56	0.06	Pumped	0.10	9.90	3320.83	
RW-5	02/11/10	3368.34	59.73	ND	50.80	ND	NA	NA	NA	3317.54	
RW-5	02/17/10	3368.34	59.73	47.55	47.64	0.09	Pumped	0.10	9.90	3320.78	
RW-5	02/17/10	3368.34	59.73	ND	49.18	ND	NA	NA	NA	3319.16	
RW-5	03/02/10	3368.34	59.73	47.50	47.51	0.01	Pumped	0.10	9.90	3320.84	
RW-5	03/02/10	3368.34	59.73	ND	49.36	ND	NA	NA	NA	3318.98	
RW-5	03/02/10	3368.34	59.73	47.39	47.40	0.01	Pumped	0.10	9.90	3320.95	
RW-5	03/02/10	3368.34	59.73	ND	49.02	ND	NA	NA	NA	3319.32	
RW-5	03/17/10	3368.34	59.73	47.52	47.65	0.13	Pumped	0.10	14.90	3320.80	
RW-5	03/17/10	3368.34	59.73	ND	49.62	ND	NA	NA	NA	3318.72	
RW-5	03/24/10	3368.34	59.73	47.46	47.58	0.12	Pumped	0.10	9.90	3320.86	
RW-5	03/24/10	3368.34	59.73	ND	49.42	ND	NA	NA	NA	3318.92	
RW-5	03/31/10	3368.34	59.73	47.40	47.50	0.10	Pumped	0.10	14.90	3320.93	
RW-5	03/31/10	3368.34	59.73	ND	49.13	ND	NA	NA	NA	3319.21	
RW-5	04/07/10	3368.34	59.73	47.51	47.59	0.08	Pumped	0.10	9.90	3320.82	
RW-5	04/07/10	3368.34	59.73	ND	49.14	ND	NA	NA	NA	3319.20	
RW-5	04/14/10	3368.34	59.73	47.35	47.59	0.24	Pumped	0.10	9.90	3320.95	
RW-5	04/14/10	3368.34	59.73	ND	49.30	ND	NA	NA	NA	3319.04	
RW-5	04/21/10	3368.34	59.73	47.35	47.45	0.10	Pumped	0.10	14.90	3320.98	
RW-5	04/21/10	3368.34	59.73	ND	50.57	ND	NA	NA	NA	3317.77	
RW-5	04/28/10	3368.34	59.73	47.46	47.56	0.10	Pumped	0.10	9.90	3320.87	
RW-5	04/28/10	3368.34	59.73	ND	48.76	ND	NA	NA	NA	3319.58	
RW-5	05/05/10	3368.34	59.73	47.44	47.63	0.19	NA	NA	NA	3320.87	
RW-5	05/11/10	3368.34	59.73	47.38	47.68	0.30	Pumped	0.10	23.90	3320.92	
RW-5	05/11/10	3368.34	59.73	ND	51.75	ND	NA	NA	NA	3316.59	
RW-5	05/19/10	3368.34	59.73	47.45	47.67	0.22	Pumped	<0.25	9.75	3320.86	
RW-5	05/19/10	3368.34	59.73	ND	49.09	ND	NA	NA	NA	3319.25	
RW-5	05/29/10	3368.34	59.73	47.48	47.77	0.29	Pumped	<0.25	9.75	3320.82	
RW-5	05/29/10	3368.34	59.73	ND	50.00	ND	NA	NA	NA	3318.34	
RW-5	06/02/10	3368.34	59.73	47.46	47.63	0.17	Pumped	0.10	14.90	3320.85	
RW-5	06/02/10	3368.34	59.73	ND	49.65	ND	NA	NA	NA	3318.69	
RW-5	06/12/10	3368.34	59.73	47.52	47.63	0.11	Pumped	<0.25	10.00	3320.80	
RW-5	06/12/10	3368.34	59.73	ND	50.50	ND	NA	NA	NA	3317.84	
RW-5	06/15/10	3368.34	59.73	47.48	47.68	0.20	Pumped	<0.25	15.00	3320.83	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-5	06/15/10	3368.34	59.73	ND	52.40	ND	NA	NA	NA	3315.94	
RW-5	06/25/10	3368.34	59.73	47.52	47.83	0.31	Pumped	0.10	19.90	3320.77	
RW-5	06/25/10	3368.34	59.73	ND	49.94	ND	NA	NA	NA	3318.40	
RW-5	06/30/10	3368.34	59.73	47.55	47.80	0.25	NA	NA	NA	3320.75	
RW-5	07/07/10	3368.34	59.73	47.53	47.92	0.39	Pumped	<0.25	10.00	3320.75	
RW-5	07/07/10	3368.34	59.73	ND	51.20	ND	NA	NA	NA	3317.14	
RW-5	07/14/10	3368.34	59.73	47.52	47.80	0.28	Pumped	0.10	9.90	3320.78	
RW-5	07/14/10	3368.34	59.73	ND	49.44	ND	NA	NA	NA	3318.90	
RW-5	07/21/10	3368.34	59.73	47.53	47.80	0.27	Pumped	<0.25	10.00	3320.77	
RW-5	07/21/10	3368.34	59.73	ND	49.45	ND	NA	NA	NA	3318.89	
RW-5	07/28/10	3368.34	59.73	47.52	47.80	0.28	Pumped	<0.25	10.00	3320.78	
RW-5	07/28/10	3368.34	59.73	ND	50.16	ND	NA	NA	NA	3318.18	
RW-5	08/03/10	3368.34	59.73	47.52	47.76	0.24	Pumped	0.10	9.90	3320.78	
RW-5	08/03/10	3368.34	59.73	ND	49.20	ND	NA	NA	NA	3319.14	
RW-5	08/11/10	3368.34	59.73	48.59	48.89	0.30	Pumped	0.10	9.90	3319.71	
RW-5	08/11/10	3368.34	59.73	ND	50.08	ND	NA	NA	NA	3318.26	
RW-5	08/18/10	3368.34	59.73	47.54	47.80	0.26	Pumped	<0.25	10.00	3320.76	
RW-5	08/18/10	3368.34	59.73	ND	51.48	ND	NA	NA	NA	3316.86	
RW-5	08/25/10	3368.34	59.73	47.54	47.80	0.26	Pumped	0.10	9.90	3320.76	
RW-5	08/25/10	3368.34	59.73	ND	51.48	ND	NA	NA	NA	3316.86	
RW-5	09/01/10	3368.34	59.73	47.43	47.63	0.20	Pumped	<0.25	10.00	3320.88	
RW-5	09/01/10	3368.34	59.73	ND	49.34	ND	NA	NA	NA	3319.00	
RW-5	09/08/10	3368.34	59.73	47.46	47.67	0.21	Pumped	0.10	9.90	3320.85	
RW-5	09/08/10	3368.34	59.73	ND	49.61	ND	NA	NA	NA	3318.73	
RW-5	09/15/10	3368.34	59.73	47.44	47.69	0.25	Pumped	0.10	9.90	3320.86	
RW-5	09/15/10	3368.34	59.73	ND	49.59	ND	NA	NA	NA	3318.75	
RW-5	09/21/10	3368.34	59.73	47.40	47.57	0.17	Pumped	0.10	19.90	3320.91	
RW-5	09/21/10	3368.34	59.73	ND	49.30	ND	NA	NA	NA	3319.04	
RW-5	10/01/10	3368.34	59.73	ND	47.44	ND	Pumped	0.10	9.90	3320.90	
RW-5	10/01/10	3368.34	59.73	ND	50.25	ND	NA	NA	NA	3318.09	
RW-5	10/06/10	3368.34	59.73	ND	47.45	ND	Pumped	0.10	9.90	3320.89	
RW-5	10/06/10	3368.34	59.73	ND	49.60	ND	NA	NA	NA	3318.74	
RW-5	10/13/10	3368.34	59.73	47.48	47.71	0.23	Pumped	0.10	9.90	3320.83	
RW-5	10/13/10	3368.34	59.73	ND	49.00	ND	NA	NA	NA	3319.34	
RW-5	10/22/10	3368.34	59.73	47.29	47.47	0.18	Pumped	0.10	14.90	3321.02	
RW-5	10/22/10	3368.34	59.73	ND	49.81	ND	NA	NA	NA	3318.53	
RW-5	10/27/10	3368.34	59.73	47.33	47.45	0.12	Pumped	0.10	19.90	3320.99	

TABLE 2
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Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-5	10/27/10	3368.34	59.73	ND	48.95	ND	NA	NA	NA	3319.39	
RW-5	11/03/10	3368.34	59.73	47.35	47.58	0.23	Pumped	0.10	9.90	3320.96	
RW-5	11/03/10	3368.34	59.73	ND	49.21	ND	NA	NA	NA	3319.13	
RW-5	11/10/10	3368.34	59.73	47.13	47.26	0.13	Pumped	0.10	9.90	3321.19	
RW-5	11/10/10	3368.34	59.73	ND	49.40	ND	NA	NA	NA	3318.94	
RW-5	11/16/10	3368.34	59.73	47.23	47.33	0.10	Pumped	0.10	9.90	3321.10	
RW-5	11/16/10	3368.34	59.73	ND	49.42	ND	NA	NA	NA	3318.92	
RW-5	11/24/10	3368.34	59.73	47.16	47.28	0.12	Pumped	<.25	10.00	3321.16	
RW-5	11/24/10	3368.34	59.73	ND	49.50	ND	NA	NA	NA	3318.84	
RW-5	12/01/10	3368.34	59.73	47.11	47.20	0.09	Pumped	0.10	9.90	3321.22	
RW-5	12/01/10	3368.34	59.73	ND	49.45	ND	NA	NA	NA	3318.89	
RW-5	12/08/10	3368.34	59.73	47.18	47.30	0.12	Pumped	0.10	9.90	3321.14	
RW-5	12/08/10	3368.34	59.73	ND	48.67	ND	NA	NA	NA	3319.67	
RW-5	12/15/10	3368.34	59.73	46.99	47.08	0.09	Pumped	0.10	9.90	3321.34	
RW-5	12/15/10	3368.34	59.73	ND	49.52	ND	NA	NA	NA	3318.82	
RW-5	12/21/10	3368.34	59.73	47.10	47.18	0.08	Pumped	0.10	9.90	3321.23	
RW-5	12/21/10	3368.34	59.73	ND	48.29	ND	NA	NA	NA	3320.05	
RW-5	01/08/11	3368.34	59.73	46.99	47.08	0.09	Pumped	0.20	4.80	3321.34	
RW-5	01/08/11	3368.34	59.73	ND	49.16	ND	NA	NA	NA	3319.18	
RW-5	01/12/11	3368.34	59.73	47.09	47.12	0.03	Hand Bailed	0.20	9.80	3321.25	
RW-5	01/12/11	3368.34	59.73	ND	51.53	ND	NA	NA	NA	3316.81	
RW-5	01/19/11	3368.34	59.73	46.95	47.03	0.08	Pumped	<.25	15.00	3321.38	
RW-5	01/19/11	3368.34	59.73	ND	48.62	ND	NA	NA	NA	3319.72	
RW-5	01/25/11	3368.34	59.73	47.08	47.13	0.05	Pumped	0.10	9.90	3321.25	
RW-5	01/25/11	3368.34	59.73	ND	48.58	ND	NA	NA	NA	3319.76	
RW-5	02/04/11	3368.34	59.73	46.96	46.97	0.01	Pumped	0.10	9.90	3321.38	
RW-5	02/04/11	3368.34	59.73	ND	48.52	ND	NA	NA	NA	3319.82	
RW-5	02/08/11	3368.34	59.73	ND	46.90	ND	NA	NA	NA	3321.44	
RW-5	02/16/11	3368.34	59.73	46.92	46.93	0.01	Pumped	0.10	9.90	3321.42	
RW-5	02/16/11	3368.34	59.73	ND	47.43	ND	NA	NA	NA	3320.91	
RW-5	02/23/11	3368.34	59.73	ND	46.92	ND	Pumped	0.10	9.90	3321.42	
RW-5	02/23/11	3368.34	59.73	ND	49.66	ND	NA	NA	NA	3318.68	
RW-5	03/02/11	3368.34	59.73	ND	46.95	ND	Pumped	0.10	9.90	3321.39	
RW-5	03/02/11	3368.34	59.73	ND	50.73	ND	NA	NA	NA	3317.61	
RW-5	03/08/11	3368.34	59.73	46.93	46.94	0.01	Hand Bailed	0.10	4.90	3321.41	
RW-5	03/08/11	3368.34	59.73	ND	49.73	ND	NA	NA	NA	3318.61	
RW-5	03/16/11	3368.34	59.73	46.94	46.95	0.01	Hand Bailed	0.10	4.90	3321.40	

TABLE 2
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-5	03/16/11	3368.34	59.73	ND	49.00	ND	NA	NA	NA	3319.34	
RW-5	03/23/11	3368.34	59.73	46.96	46.98	0.02	Hand Bailed	0.10	4.90	3321.38	
RW-5	03/23/11	3368.34	59.73	ND	49.07	ND	NA	NA	NA	3319.27	
RW-5	03/30/11	3368.34	59.73	ND	46.88	ND	NA	NA	NA	3321.46	
RW-5	04/08/11	3368.34	59.73	ND	46.87	ND	NA	NA	NA	3321.47	
RW-5	04/13/11	3368.34	59.73	ND	46.87	ND	Hand Bailed	0.10	4.90	3321.47	
RW-5	04/13/11	3368.34	59.73	ND	49.95	ND	NA	NA	NA	3318.39	
RW-5	04/20/11	3368.34	59.73	46.95	46.96	0.01	Hand Bailed	0.10	4.90	3321.39	
RW-5	04/20/11	3368.34	59.73	ND	49.12	ND	NA	NA	NA	3319.22	
RW-5	04/27/11	3368.34	59.73	47.00	47.04	0.04	Pumped	0.10	9.90	3321.33	
RW-5	04/27/11	3368.34	59.73	ND	51.35	ND	NA	NA	NA	3316.99	
RW-5	05/04/11	3368.34	59.73	Sheen	46.90	Sheen	NA	NA	NA	3321.44	
RW-5	05/11/11	3368.34	59.73	46.95	46.96	0.01	Pumped	0.10	9.90	3321.39	
RW-5	05/11/11	3368.34	59.73	ND	48.86	ND	NA	NA	NA	3319.48	
RW-5	05/19/11	3368.34	59.73	Heavy Sheen	46.92	Heavy Sheen	Pumped	0.10	9.90	3321.42	
RW-5	05/19/11	3368.34	59.73	ND	49.98	ND	NA	NA	NA	3318.36	
RW-5	05/24/11	3368.34	59.73	46.89	46.90	0.01	Pumped	0.10	9.90	3321.45	
RW-5	05/24/11	3368.34	59.73	ND	47.78	ND	NA	NA	NA	3320.56	
RW-5	06/02/11	3368.34	59.73	47.09	47.10	0.01	NA	NA	NA	3321.25	Sampled
RW-5	06/08/11	3368.34	59.73	47.05	47.08	0.03	Pumped	0.10	9.90	3321.29	
RW-5	06/08/11	3368.34	59.73	ND	48.63	ND	NA	NA	NA	3319.71	
RW-5	06/17/11	3368.34	59.73	47.08	47.10	0.02	Pumped	0.10	9.90	3321.26	
RW-5	06/17/11	3368.34	59.73	ND	48.52	ND	NA	NA	NA	3319.82	
RW-5	06/21/11	3368.34	59.73	47.02	47.05	0.03	Pumped	0.10	9.90	3321.32	
RW-5	06/21/11	3368.34	59.73	ND	49.10	ND	NA	NA	NA	3319.24	
RW-5	06/29/11	3368.34	59.73	47.18	47.19	0.01	Pumped	0.10	4.90	3321.16	
RW-5	06/29/11	3368.34	59.73	ND	48.52	ND	NA	NA	NA	3319.82	
RW-5	07/06/11	3368.34	59.73	47.23	47.25	0.02		0.10	4.90	3321.11	
RW-5	07/06/11	3368.34	59.73	ND	48.45	ND	NA	NA	NA	3319.89	
RW-5	07/13/11	3368.34	59.73	47.22	47.25	0.03		0.10	9.90	3321.12	
RW-5	07/13/11	3368.34	59.73	ND	49.31	ND	NA	NA	NA	3319.03	
RW-5	07/21/11	3368.34	59.73	47.23	47.24	0.01		0.10	4.90	3321.11	
RW-5	07/21/11	3368.34	59.73	ND	47.66	ND	NA	NA	NA	3320.68	
RW-5	07/27/11	3368.34	59.73	47.26	47.28	0.02	Hand Bailed	0.10	9.90	3321.08	
RW-5	07/27/11	3368.34	59.73	ND	50.33	ND		0.00	10.00	3318.01	
RW-5	08/03/11	3368.34	59.73	47.34	47.35	0.01		0.10	4.90	3321.00	
RW-5	08/03/11	3368.34	59.73	ND	49.57	ND	NA	NA	NA	3318.77	

TABLE 2
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Plains Marketing, L.P.
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-5	08/11/11	3368.34	59.73	47.33	47.35	0.02		0.10	4.90	3321.01	
RW-5	08/11/11	3368.34	59.73	ND	46.10	ND	NA	NA	NA	3322.24	
RW-5	08/17/11	3368.34	59.73	47.30	47.31	0.01		0.10	9.90	3321.04	
RW-5	08/17/11	3368.34	59.73	ND	48.77	ND	NA	NA	NA	3319.57	
RW-5	08/24/11	3368.34	59.73	47.39	47.40	0.01	Hand Bailed	0.10	9.90	3320.95	
RW-5	08/24/11	3368.34	59.73	ND	49.24	ND	NA	NA	NA	3319.10	
RW-5	08/30/11	3368.34	59.73	47.32	47.33	0.01		0.10	4.90	3321.02	
RW-5	08/30/11	3368.34	59.73	ND	49.72	ND	NA	NA	NA	3318.62	
RW-5	09/07/11	3368.34	59.73	47.45	47.47	0.02		0.10	4.90	3320.89	
RW-5	09/07/11	3368.34	59.73	ND	49.09	ND	NA	NA	NA	3319.25	
RW-5	09/14/11	3368.34	59.73	47.42	47.43	0.01		0.10	4.90	3320.92	
RW-5	09/14/11	3368.34	59.73	ND	48.00	ND	NA	NA	NA	3320.34	
RW-5	09/21/11	3368.34	59.73	47.40	47.41	0.01		0.10	4.90	3320.94	
RW-5	09/21/11	3368.34	59.73	ND	49.25	ND	NA	NA	NA	3319.09	
RW-5	09/28/11	3368.34	59.73	47.42	47.45	0.03		0.10	4.90	3320.92	
RW-5	09/28/11	3368.34	59.73	ND	49.89	ND	NA	NA	NA	3318.45	
RW-5	10/05/11	3368.34	59.73	Heavy Sheen	47.38	Heavy Sheen		0.10	9.90	3320.96	Clear at 3 gal
RW-5	10/05/11	3368.34	59.73	ND	48.81	ND	NA	NA	NA	3319.53	
RW-5	10/12/11	3368.34	59.73	47.43	47.45	0.02		0.10	9.90	3320.91	Clear at 3 gal
RW-5	10/12/11	3368.34	59.73	ND	50.10	ND	NA	NA	NA	3318.24	
RW-5	10/18/11	3368.34	59.73	47.56	47.58	0.02		0.10	9.90	3320.78	Clear at 3 gal
RW-5	10/18/11	3368.34	59.73	ND	48.90	ND	NA	NA	NA	3319.44	
RW-5	10/28/11	3368.34	59.73	47.56	47.58	0.02		0.10	9.90	3320.78	
RW-5	10/28/11	3368.34	59.73	ND	50.53	ND	NA	NA	NA	3317.81	
RW-5	11/02/11	3368.34	59.73	47.45	47.46	0.01	Pumped	0.10	9.90	3320.89	Clear at 3 gal
RW-5	11/02/11	3368.34	59.73	ND	50.44	ND	NA	NA	NA	3317.90	
RW-5	11/09/11	3368.34	59.73	47.61	47.62	0.01	Hand Bailed	0.10	4.90	3320.73	Clear at 3 gal
RW-5	11/09/11	3368.34	59.73	ND	49.50	ND	NA	NA	NA	3318.84	
RW-5	11/18/11	3368.34	59.73	47.39	47.40	0.01		0.10	4.90	3320.95	
RW-5	11/18/11	3368.34	59.73	ND	50.22	ND	NA	NA	NA	3318.12	
RW-5	11/23/11	3368.34	59.73	47.51	47.52	0.01		0.10	9.90	3320.83	
RW-5	11/23/11	3368.34	59.73	ND	51.60	ND	NA	NA	NA	3316.74	
RW-5	11/29/11	3368.34	59.73	47.52	47.55	0.03	NA	NA	NA	3320.82	
RW-5	12/13/11	3368.34	59.73	47.38	47.39	0.01		0.10	4.90	3320.96	
RW-5	12/13/11	3368.34	59.73	ND	50.40	ND	NA	NA	NA	3317.94	
RW-5	12/20/11	3368.34	59.73	47.46	47.51	0.05		0.10	9.90	3320.87	
RW-5	12/20/11	3368.34	59.73	ND	50.12	ND	NA	NA	NA	3318.22	

TABLE 2
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-5	12/27/11	3368.34	59.73	47.45	47.46	0.01		0.10	4.90	3320.89	
RW-5	12/27/11	3368.34	59.73	ND	49.01	ND	NA	NA	NA	3319.33	
RW-5	01/04/12	3368.34	59.73	47.50	47.51	0.01	NA	NA	NA	3320.84	
RW-5	01/13/12	3368.34	59.73	47.44	47.45	0.01	NA	NA	NA	3320.90	
RW-5	01/18/12	3368.34	59.73	47.41	47.42	0.01	Pumped	0.10	9.90	3320.93	
RW-5	01/18/12	3368.34	59.73	ND	51.55	ND	NA	NA	NA	3316.79	
RW-5	01/27/12	3368.34	59.73	47.31	47.32	0.01		0.10	4.90	3321.03	
RW-5	01/27/12	3368.34	59.73	ND	49.64	ND	NA	NA	NA	3318.70	
RW-5	02/02/12	3368.34	59.73	47.28	47.29	0.01	NA	NA	NA	3321.06	
RW-5	02/08/12	3368.34	59.73	47.43	47.45	0.02		0.10	4.90	3320.91	
RW-5	02/08/12	3368.34	59.73	ND	49.51	ND	NA	NA	NA	3318.83	
RW-5	02/15/12	3368.34	59.73	47.35	47.36	0.01		0.10	4.90	3320.99	
RW-5	02/15/12	3368.34	59.73	ND	51.01	ND	NA	NA	NA	3317.33	
RW-5	02/23/12	3368.34	59.73	47.20	47.21	0.01	NA	NA	NA	3321.14	
RW-5	02/29/12	3368.34	59.73	47.35	47.36	0.01		0.10	9.90	3320.99	
RW-5	02/29/12	3368.34	59.73	ND	49.98	ND	NA	NA	NA	3318.36	
RW-5	03/06/12	3368.34	59.73	47.27	47.28	0.01		0.10	4.90	3321.07	
RW-5	03/06/12	3368.34	59.73	ND	48.63	ND	NA	NA	NA	3319.71	
RW-5	03/14/12	3368.34	59.73	47.37	47.40	0.03		0.10	4.90	3320.97	
RW-5	03/14/12	3368.34	59.73	ND	48.05	ND	NA	NA	NA	3320.29	
RW-5	03/21/12	3368.34	59.73	47.20	47.28	0.08		0.10	4.90	3321.13	
RW-5	03/21/12	3368.34	59.73	ND	48.24	ND	NA	NA	NA	3320.10	
RW-5	03/29/12	3368.34	59.73	47.27	47.33	0.06	Pump	0.10	9.90	3321.06	
RW-5	03/29/12	3368.34	59.73	ND	47.86	ND	NA	NA	NA	3320.48	
RW-5	04/03/12	3368.34	59.73	47.33	47.48	0.15	Pump	0.10	9.90	3320.99	
RW-5	04/03/12	3368.34	59.73	ND	51.09	ND	NA	NA	NA	3317.25	
RW-5	04/11/12	3368.34	59.73	47.30	47.45	0.15	Pump	0.10	9.90	3321.02	
RW-5	04/11/12	3368.34	59.73	ND	50.92	ND	NA	NA	NA	3317.42	
RW-5	04/20/12	3368.34	59.73	47.37	47.52	0.15	Pump	0.10	14.90	3320.95	
RW-5	04/20/12	3368.34	59.73	ND	51.48	ND	NA	NA	NA	3316.86	
RW-5	04/26/12	3368.34	59.73	47.43	47.46	0.03	Pump	0.10	14.90	3320.91	
RW-5	04/26/12	3368.34	59.73	ND	50.70	ND	NA	NA	NA	3317.64	
RW-5	05/02/12	3368.34	59.73	47.32	47.40	0.08		0.10	14.90	3321.01	
RW-5	05/02/12	3368.34	59.73	ND	48.69	ND	NA	NA	NA	3319.65	
RW-5	05/09/12	3368.34	59.73	47.46	47.56	0.10		0.10	14.90	3320.87	
RW-5	05/09/12	3368.34	59.73	ND	51.13	ND	NA	NA	NA	3317.21	
RW-5	05/16/12	3368.34	59.73	47.50	47.54	0.04		0.10	14.90	3320.83	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-5	05/16/12	3368.34	59.73	ND	52.00	ND	NA	NA	NA	3316.34	
RW-5	05/23/12	3368.34	59.73	47.59	47.61	0.02	NA	NA	NA	3320.75	
RW-5	05/29/12	3368.34	59.73	47.83	47.87	0.04		0.20	9.80	3320.50	
RW-5	05/29/12	3368.34	59.73	ND	49.57	ND	NA	NA	NA	3318.77	
RW-5	06/06/12	3368.34	59.73	47.91	47.98	0.07		0.10	9.90	3320.42	
RW-5	06/06/12	3368.34	59.73	ND	49.97	ND	NA	NA	NA	3318.37	
RW-5	06/13/12	3368.34	59.73	48.18	48.23	0.05		0.10	9.90	3320.15	
RW-5	06/13/12	3368.34	59.73	ND	50.68	ND	NA	NA	NA	3317.66	
RW-5	06/19/12	3368.34	59.73	48.29	48.35	0.06	NA	NA	NA	3320.04	
RW-5	06/27/12	3368.34	59.73	48.48	48.54	0.06	NA	0.00	10.00	3319.85	
RW-5	06/27/12	3368.34	59.73	ND	50.75	ND	NA	NA	NA	3317.59	
RW-5	07/05/12	3368.34	59.73	48.67	48.71	0.04	NA	0.10	10.00	3319.66	
RW-5	07/05/12	3368.34	59.73	ND	52.10	ND	NA	NA	NA	3316.24	
RW-5	07/11/12	3368.34	59.73	48.76	48.83	0.07	NA	NA	NA	3319.57	
RW-5	07/11/12	3368.34	59.73	48.90	49.00	0.10	NA	NA	10.00	3319.43	
RW-5	07/18/12	3368.34	59.73	ND	51.95	ND	NA	NA	NA	3316.39	
RW-5	07/25/12	3368.34	59.73	48.88	49.54	0.66	NA	0.25	9.75	3319.36	
RW-5	07/25/12	3368.34	59.73	ND	52.32	ND	NA	NA	NA	3316.02	
RW-5	07/31/12	3368.34	59.73	48.92	50.20	1.28	NA	0.10	15.00	3319.23	
RW-5	07/31/12	3368.34	59.73	ND	52.35	ND	NA	NA	NA	3315.99	
RW-5	08/08/12	3368.34	59.73	48.8	50.88	2.08	NA	NA	NA	3319.23	
RW-5	08/13/12	3368.34	59.73	48.81	51.15	2.34	NA	2.00	18.00	3319.18	
RW-5	08/13/12	3368.34	59.73	ND	51.05	ND	NA	NA	NA	3317.29	
RW-5	08/20/12	3368.34	59.73	48.98	50.20	1.22	NA	NA	9.00	3319.18	
RW-5	08/20/12	3368.34	59.73	ND	52.03	ND	NA	NA	NA	3316.31	
RW-5	09/05/12	3368.34	59.73	48.79	51.10	2.31	NA	0.10	20.00	3319.20	
RW-5	09/05/12	3368.34	59.73	ND	52.51	ND	NA	NA	NA	3315.83	
RW-5	09/12/12	3368.34	59.73	ND	48.85	ND	NA	NA	NA	3319.49	
RW-5	09/19/12	3368.34	59.73	48.75	51.04	2.29	NA	1.00	14.00	3319.25	
RW-5	09/19/12	3368.34	59.73	ND	53.70	ND	NA	NA	NA	3314.64	
RW-5	09/25/12	3368.34	59.73	48.76	50.30	1.54	NA	1.00	19.00	3319.35	
RW-5	09/25/12	3368.34	59.73	ND	54.50	ND	NA	NA	NA	3313.84	
RW-5	10/02/12	3368.34	59.73	48.85	50.45	1.60	NA	1.00	14.00	3319.25	
RW-5	10/02/12	3368.34	59.73	ND	52.57	ND	NA	NA	NA	3315.77	
RW-5	10/10/12	3368.34	59.73	48.52	50.54	2.02	NA	0.10	15.00	3319.52	
RW-5	10/10/12	3368.34	59.73	ND	52.36	ND	NA	NA	NA	3315.98	
RW-5	10/16/12	3368.34	59.73	48.58	50.68	2.10	NA	2.00	18.00	3319.45	

TABLE 2
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Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-5	10/16/12	3368.34	59.73	ND	52.01	ND	NA	NA	NA	3316.33	
RW-5	10/24/12	3368.34	59.73	48.68	50.30	1.62	NA	NA	NA	3319.42	
RW-5	10/30/12	3368.34	59.73	48.78	50.20	1.42	NA	1.00	29.00	3319.35	
RW-5	10/30/12	3368.34	59.73	ND	58.48	ND	NA	NA	NA	3309.86	
RW-5	11/06/12	3368.34	59.73	48.81	50.33	1.52	NA	2.00	18.00	3319.30	
RW-5	11/06/12	3368.34	59.73	ND	52.35	ND	NA	NA	NA	3315.99	
RW-5	11/13/12	3368.34	59.73	48.75	51.05	2.30	NA	2.00	38.00	3319.25	
RW-5	11/13/12	3368.34	59.73	ND	53.40	ND	NA	NA	NA	3314.94	
RW-5	11/19/12	3368.34	59.73	48.80	50.55	1.75	NA	NA	NA	3319.28	
RW-5	12/05/12	3368.34	59.73	48.74	51.30	2.56	NA	3.00	12.00	3319.22	
RW-5	12/05/12	3368.34	59.73	ND	54.45	ND	NA	NA	NA	3313.89	
RW-5	12/11/12	3368.34	59.73	48.85	50.83	1.98	NA	NA	NA	3319.19	
RW-5	01/03/13	3368.34	59.73	48.85	52.00	3.15	NA	NA	NA	3319.02	
RW-5	01/16/13	3368.34	59.73	48.82	52.25	3.43	NA	3.00	12.00	3319.01	
RW-5	01/16/13	3368.34	59.73	ND	54.25	ND	NA	NA	NA	3314.09	Clear after 10 gals
RW-5	01/23/13	3368.34	59.73	48.92	51.52	2.60	NA	2.00	14.00	3319.03	
RW-5	01/23/13	3368.34	59.73	ND	53.85	ND	NA	NA	NA	3314.49	
RW-5	01/30/13	3368.34	59.73	48.90	52.07	3.17	NA	3.00	17.00	3318.96	
RW-5	01/30/13	3368.34	59.73	ND	54.50	ND	NA	NA	NA	3313.84	
RW-5	02/07/13	3368.34	59.73	48.90	51.40	2.50	NA	2.00	18.00	3319.07	
RW-5	02/07/13	3368.34	59.73	ND	53.10	ND	NA	NA	NA	3315.24	
RW-5	02/13/13	3368.34	59.73	48.80	51.61	2.81	NA	NA	NA	3319.12	
RW-5	02/28/13	3368.34	59.73	48.96	50.70	1.74	NA	NA	NA	3319.12	Sampled
RW-5	03/21/13	3368.34	59.73	48.55	51.18	2.63	NA	NA	NA	3319.40	
RW-5	03/29/13	3368.34	59.73	48.75	51.93	3.18	NA	2.00	10.00	3319.11	
RW-5	03/29/13	3368.34	59.73	ND	51.91	ND	NA	NA	NA	3316.43	
RW-5	04/03/13	3368.34	59.73	48.38	49.67	1.29	NA	1.00	9.00	3319.77	
RW-5	04/03/13	3368.34	59.73	ND	52.35	ND	NA	NA	NA	3315.99	
RW-5	04/09/13	3368.34	59.73	48.51	50.58	2.07	NA	1.00	19.00	3319.52	
RW-5	04/09/13	3368.34	59.73	ND	55.68	ND	NA	NA	NA	3312.66	
RW-5	05/01/13	3368.34	59.73	49.48	51.35	1.87	NA	1.00	9.00	3318.58	
RW-5	05/01/13	3368.34	59.73	ND	53.67	ND	NA	NA	NA	3314.67	
RW-5	05/15/13	3368.34	59.73	49.40	52.18	2.78	NA	NA	9.00	3318.52	
RW-5	05/15/13	3368.34	59.73	ND	53.85	ND	NA	NA	NA	3314.49	
RW-5	05/21/13	3368.34	59.73	49.45	52.60	3.15	NA	1.00	14.00	3318.42	
RW-5	05/21/13	3368.34	59.73	ND	53.12	ND	NA	NA	NA	3315.22	
RW-5	06/04/13	3368.34	59.73	49.14	52.25	3.11	NA	2.00	13.00	3318.73	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-5	06/04/13	3368.34	59.73	ND	52.20	ND	NA	NA	NA	3316.14	
RW-5	06/12/13	3368.34	59.73	49.71	51.50	1.79	NA	NA	NA	3318.36	
RW-5	06/17/13	3368.34	59.73	49.73	51.17	1.44	NA	0.25	9.75	3318.39	
RW-5	06/26/13	3368.34	59.73	49.60	51.96	2.36	NA	1.00	9.00	3318.39	
RW-5	06/26/13	3368.34	59.73	ND	52.10	ND	NA	NA	NA	3316.24	
RW-5	07/03/13	3368.34	59.73	49.60	52.38	2.78	NA	3.00	7.00	3318.32	
RW-5	07/10/13	3368.34	59.73	49.81	51.50	1.69	NA	2.00	8.00	3318.28	
RW-5	07/23/13	3368.34	59.73	49.65	51.75	2.10	NA	3.00	12.00	3318.38	
RW-5	07/30/13	3368.34	59.73	49.78	51.12	1.34	NA	2.00	8.00	3318.36	
RW-5	08/07/13	3368.34	59.73	49.88	51.00	1.12	NA	2.00	8.00	3318.29	
RW-5	08/14/13	3368.34	59.73	49.88	51.22	1.34	NA	1.50	8.50	3318.26	
RW-5	08/21/13	3368.34	59.73	49.82	51.02	1.20	NA	1.50	8.50	3318.34	
RW-5	08/28/13	3368.34	59.73	49.86	51.60	1.74	NA	4.00	11.00	3318.22	
RW-5	09/06/13	3368.34	59.73	49.92	51.23	1.31	NA	NA	NA	3318.22	
RW-5	09/10/13	3368.34	59.73	49.98	50.74	0.76	NA	NA	NA	3318.25	
RW-5	09/21/13	3368.34	59.73	49.85	51.34	1.49	NA	1.00	9.00	3318.27	
RW-5	09/28/13	3368.34	59.73	49.96	50.10	0.14	NA	1.00	9.00	3318.36	
RW-5	10/02/13	3368.34	59.73	49.90	51.20	1.30	NA	2.00	8.00	3318.25	
RW-5	10/11/13	3368.34	59.73	50.25	50.97	0.72	NA	1.00	9.00	3317.98	
RW-5	10/16/13	3368.34	59.73	50.05	50.97	0.92	NA	0.50	9.50	3318.15	
RW-5	10/30/13	3368.34	59.73	49.95	52.27	2.32	NA	3.00	12.00	3318.04	
RW-5	11/07/13	3368.34	59.73	49.95	51.24	1.29	NA	NA	NA	3318.20	
RW-5	11/13/13	3368.34	59.73	50.05	51.90	1.85	NA	2.50	2.50	3318.01	
RW-5	11/20/13	3368.34	59.73	50.10	51.98	1.88	NA	2.00	3.00	3317.96	
RW-5	11/27/13	3368.34	59.73	50.16	51.91	1.75	NA	2.00	3.00	3317.92	
RW-5	12/11/13	3368.34	59.73	50.31	52.00	1.69	NA	NA	NA	3317.78	
RW-5	12/17/13	3368.34	59.73	50.38	51.31	0.93	NA	NA	NA	3317.82	
IW-1	11/09/13	3368.53		50.65	50.97	0.32	NA	NA	NA	3317.83	
IW-1	11/13/13	3368.53		50.56	51.52	0.96	NA	1.50	3.50	3317.83	
IW-1	11/20/13	3368.53		50.38	51.70	1.32	NA	2.00	3.00	3317.95	
IW-1	11/27/13	3368.53		50.54	52.14	1.60	NA	2.00	3.00	3317.75	
IW-1	12/11/13	3368.53		50.68	52.46	1.78	NA	NA	NA	3317.58	
IW-1	12/17/13	3368.53		50.60	52.60	2.00	NA	NA	NA	3317.63	
IW-2	11/09/13	3368.63	64.05	ND	50.69	ND	NA	NA	NA	3317.94	
IW-2	11/13/13	3368.63	64.05	Sheen	50.73	Sheen	NA	NA	NA	3317.90	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
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Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
IW-2	11/20/13	3368.63	64.05	50.48	50.50	0.02	NA	NA	NA	3318.15	
IW-2	11/27/13	3368.63	64.05	50.79	50.95	0.16	NA	NA	NA	3317.82	
IW-2	12/11/13	3368.63	64.05	50.90	51.31	0.41	NA	NA	NA	3317.67	
IW-2	12/17/13	3368.63	64.05	50.96	51.06	0.10	NA	NA	NA	3317.66	
IW-3	11/09/13	3368.96	63.86	ND	50.92	ND	NA	NA	NA	3318.04	
IW-3	11/13/13	3368.96	63.86	50.92	51.11	0.19	NA	0.25	4.25	3318.01	
IW-3	11/20/13	3368.96	63.86	50.86	51.72	0.86	NA	2.00	3.00	3317.97	
IW-3	11/27/13	3368.96	63.86	50.97	51.55	0.58	NA	2.00	3.00	3317.90	
IW-3	12/11/13	3368.96	63.86	51.06	52.02	0.96	NA	NA	NA	3317.76	
IW-3	12/17/13	3368.96	63.86	51.11	51.40	0.29	NA	NA	NA	3317.81	

NA: Not applicable
ND: Not detected
NS: Not surveyed
NG: Not gauged

TABLE 3
2013 GROUNDWATER ANALYTICAL RESULTS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Sample Date	Sample ID	SW 846-8021B			
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
			NMOCD Remediation Criteria			
			0.01	0.75	0.75	0.62
MW-1	02/28/13	NS	NS	NS	NS	NS
MW-1	06/13/13	L641626-01	1.7	0.17	0.69	0.61
MW-1	09/10/13	NS	NS	NS	NS	NS
MW-1	12/11/13	NS	NS	NS	NS	NS
MW-2	02/28/13	L622670-01	<0.001	<0.005	<0.001	<0.003
MW-2	06/13/13	L641626-01	<0.001	<0.005	<0.001	<0.003
MW-2	09/10/13	L656792-01	<0.001	<0.005	<0.001	<0.003
MW-2	12/11/13	L674081-01	<0.001	<0.005	<0.001	<0.003
MW-3	02/28/13	L622670-02	<0.001	<0.005	<0.001	<0.003
MW-3	06/12/13	L641626-03	0.04	0.12	0.077	0.18
MW-3	09/10/13	NS	NS	NS	NS	NS
MW-3	12/11/13	NS	NS	NS	NS	NS
MW-4	02/28/13	L622670-03	<0.001	<0.005	<0.001	<0.003
MW-4	06/12/13	L641626-04	<0.001	<0.005	<0.001	<0.003
MW-4	09/10/13	L656792-02	<0.001	<0.005	<0.001	<0.003
MW-4	12/11/13	L674081-02	<0.001	<0.005	<0.001	<0.003
MW-5	02/28/13	L622670-04	<0.001	<0.005	<0.001	<0.003
MW-5	06/12/13	L641626-05	<0.001	<0.005	<0.001	<0.003
MW-5	09/10/13	L656792-03	<0.001	<0.005	<0.001	<0.003
MW-5	12/11/13	L674081-03	<0.001	<0.005	<0.001	<0.003
MW-6	02/28/13	L622670-05	<0.001	<0.005	<0.001	<0.003
MW-6	06/12/13	L641626-06	<0.001	<0.005	<0.001	<0.003
MW-6	09/10/13	L656792-04	<0.001	<0.005	<0.001	<0.003
MW-6	12/11/13	L656792-04	<0.001	<0.005	<0.001	<0.003
MW-7	02/28/13	L622670-06	<0.001	<0.005	<0.001	<0.003
MW-7	06/12/13	L641626-07	<0.001	<0.005	<0.001	<0.003
MW-7	09/10/13	L656792-05	<0.001	<0.005	<0.001	<0.003
MW-7	12/11/13	L674081-05	<0.001	<0.005	<0.001	<0.003
MW-8	02/28/13	L622670-07	<0.001	<0.005	<0.001	<0.003
MW-8	06/12/13	L641626-08	<0.001	<0.005	<0.001	<0.003
MW-8	09/10/13	L656792-06	<0.001	<0.005	<0.001	<0.003
MW-8	12/11/13	L674081-06	<0.001	<0.005	<0.001	<0.003
MW-9	12/11/13	L674081-07	<0.001	<0.005	<0.001	<0.003

TABLE 3
2013 GROUNDWATER ANALYTICAL RESULTS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Sample Date	Sample ID	SW 846-8021B			
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
			NMOCD Remediation Criteria			
			0.01	0.75	0.75	0.62
RW-1	02/28/13	NS	NS	NS	NS	NS
RW-1	06/12/13	L641626-09	0.56	0.18	0.17	0.35
RW-1	09/10/13	NS	NS	NS	NS	NS
RW-1	12/11/13	NS	NS	NS	NS	NS
RW-2	02/28/13	NS	NS	NS	NS	NS
RW-2	06/12/13	L641626-10	0.038	0.028	0.12	0.17
RW-2	09/10/13	NS	NS	NS	NS	NS
RW-2	12/11/13	NS	NS	NS	NS	NS
RW-3	02/28/13	NS	NS	NS	NS	NS
RW-3	06/12/13	L641626-11	1.3	0.74	0.32	0.58
RW-3	09/10/13	NS	NS	NS	NS	NS
RW-3	12/11/13	NS	NS	NS	NS	NS
RW-4	02/28/13	NS	NS	NS	NS	NS
RW-4	06/12/13	L641626-12	2.4	0.22	0.59	1.1
RW-4	09/10/13	NS	NS	NS	NS	NS
RW-4	12/11/13	NS	NS	NS	NS	NS
RW-5	02/28/13	NS	NS	NS	NS	NS
RW-5	06/12/13	L641626-13	3.7	2.9	0.88	1.9
RW-5	09/10/13	NS	NS	NS	NS	NS
RW-5	12/11/13	NS	NS	NS	NS	NS

NMOCD: New Mexico Oil Conservation Division

Exceedences of NMOCD Remediation Criteria are shown in **bold**

J: Analyte detected below method detection limit (MDL but above sample detection limit (SDL)

^a = Results from run 2 (dilution factor = 5)

* Values reported from run 2 as carry over was reported in run 1

TABLE 4
GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Sample Date	Sample ID	SW 846-8021B			
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
			NMOCD Remediation Criteria			
			0.01	0.75	0.75	0.62
MW-1	06/02/11	1106109-01	2.7	0.030	0.64	0.56
MW-1	02/23/12	NS	NS	NS	NS	NS
MW-1	05/22/12	12051130-01	2.2	<0.020	0.54	0.19
MW-1	09/12/12	NS	NS	NS	NS	NS
MW-1	11/19/12	NS	NS	NS	NS	NS
MW-1	02/28/13	NS	NS	NS	NS	NS
MW-1	06/13/13	L641626-01	1.7	0.17	0.69	0.61
MW-1	09/10/13	NS	NS	NS	NS	NS
MW-1	12/11/13	NS	NS	NS	NS	NS
MW-2	03/28/06	T13037-1	0.243	0.00750	0.04570	0.09390
MW-2	06/15/06	T13863-1	0.333	0.00330 J	0.01960	0.01040
MW-2	09/12/06	T14672-1	0.178	<0.00020	0.01780	0.00940
MW-2	12/06/06	T15622-1	0.21400 ^a	<0.00020	0.01850	0.00800
MW-2	02/28/07	T16496-1	0.18600 ^a	<0.00020	0.01410	0.00150
MW-2	05/30/07	T17641-1	0.27000 ^a	<0.00023	0.01880	0.00290
MW-2	09/07/07	T18808-1	0.00210	<0.00023	<0.00035	0.00680
MW-2	11/13/07	T19744-1	<0.0005	<0.0005	<0.0005	<0.001
MW-2	02/28/08	T21043-1	<0.00021	<0.00023	<0.00035	0.00150 J
MW-2	05/20/08	T22267-2	0.27800 ^a	<0.00023	0.03200	0.00069 J
MW-2	08/20/08	T23512-1	0.01080	<0.0005	<0.0005	<0.001
MW-2	11/20/08	180209	0.176	<0.00100	0.00630	<0.00100
MW-2	02/18/09	9021907	0.117	<0.00100	<0.00100	<0.00100
MW-2	05/20/09	9052216	0.0357	<0.000188	0.00050 J	<0.000163
MW-2	08/27/09	9083116	0.0172	<0.000188	0.0011	<0.000163
MW-2	11/18/09	215423	0.0007 J	<0.000332	<0.00023	<0.000143
MW-2	02/09/10	222042	<0.000371	<0.000400	0.0012	<0.000379
MW-2	05/12/10	1005477-02	<0.001	<0.001	0.0041	<0.003
MW-2	08/26/10	1008902-01	<0.001	<0.001	0.0033	<0.003
MW-2	11/18/10	1011750-01	<0.001	<0.001	0.0036	<0.003
MW-2	02/23/11	1102702-01	<0.001	<0.001	0.0060	<0.003
MW-2	06/02/11	1106118-01	<0.001	<0.001	0.0090	<0.003
MW-2	08/30/11	11081012-01	<0.001	<0.001	0.0061	<0.003
MW-2	11/29/11	1111902-01	<0.001	<0.001	0.0015	<0.003
MW-2	02/23/12	120873-01	<0.001	<0.001	0.0018	<0.003
MW-2	05/23/12	12051130-02	<0.001	<0.001	<0.001	<0.003
MW-2	09/12/12	1209473-01	<0.001	<0.001	<0.001	<0.003
MW-2	11/19/12	1211764-01	<0.001	<0.001	<0.001	<0.003
MW-2	02/28/13	L622670-01	<0.001	<0.005	<0.001	<0.003
MW-2	06/13/13	L641626-01	<0.001	<0.005	<0.001	<0.003
MW-2	09/10/13	L656792-01	<0.001	<0.005	<0.001	<0.003
MW-2	12/11/13	L674081-01	<0.001	<0.005	<0.001	<0.003
MW-3	03/28/06	T13037-2	0.501	0.07580	0.05180	0.06270
MW-3	06/15/06	T13863-2	0.432	<0.0018	0.06030	0.04530
MW-3	09/12/06	T14672-2	0.0612	<0.00020	0.00490	<0.00036
MW-3	12/06/06	T15622-2	0.19000 ^a	0.00110	0.02470	0.00360
MW-3	02/28/07	T16496-2	0.05830	0.00054 J	0.00520	0.00360

TABLE 4
GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Sample Date	Sample ID	SW 846-8021B			
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
			NMOCD Remediation Criteria			
			0.01	0.75	0.75	0.62
MW-3	05/30/07	T17641-2	0.05620	<0.00023	0.00410	<0.00055
MW-3	09/07/07	T18808-2	<0.00021	<0.00023	0.00790	<0.00055
MW-3	11/13/07	T19744-2	<0.0005	<0.0005	<0.0005	<0.001
MW-3	02/28/08	T21043-2	<0.00021	<0.00023	<0.00035	<0.00055
MW-3	05/20/08	T22267-3	0.74800 ^a	0.00030 J	0.06190	0.00084 J
MW-3	08/20/08	T23512-2	0.0459	<0.0005	0.0021	<0.001
MW-3	11/20/08	180210	0.0575	0.0268	0.0152	0.0875
MW-3	02/18/09	9021907	0.0070	0.0025	<0.00100	<0.00100
MW-3	05/20/09	9052216	0.1660	0.1820	0.1050	0.2120
MW-3	08/27/09	9083116	0.0096	0.0248	0.0123	0.0189
MW-3	11/18/09	215424	0.0096	0.00700	0.0115	0.0184
MW-3	02/09/10	222043	<0.000371	<0.000400	0.0011	0.0007 J
MW-3	05/12/10	1005477-03	0.0170	<0.001	0.027	0.016
MW-3	08/26/10	1008902-02	0.0084	<0.001	0.0360	0.0250
MW-3	11/18/10	1011750-02	0.0030	<0.001	0.0046	0.00340
MW-3	02/23/11	1102702-02	0.0029	<0.001	0.0059	0.0047
MW-3	06/02/11	1106118-02	0.0130	<0.001	0.015	0.015
MW-3	08/30/11	11081012-02	0.0016	<0.001	0.0054	0.0071
MW-3	11/29/11	1111902-02	0.0041	<0.001	0.0079	0.014
MW-3	02/23/12	1202873-02	0.0024	<0.001	0.0080	0.0015
MW-3	05/23/12	12051130-03	0.022	0.0031	0.09	0.14
MW-3	09/12/12	1209473-02	1.4	<0.001	3.0	<0.003
MW-3	11/19/12	1209473-02	0.51 J	<0.001	0.85 J	1.1 J
MW-3	02/28/13	L622670-02	<0.001	<0.005	<0.001	<0.003
MW-3	06/12/13	L641626-03	0.04	0.12	0.077	0.18
MW-3	09/10/13	NS	NS	NS	NS	NS
MW-3	12/11/13	NS	NS	NS	NS	NS
MW-4	03/28/06	T13037-3	<0.00038	<0.00036	<0.00035	<0.00072
MW-4	06/15/06	T13863-3	<0.00038	<0.00036	<0.00035	<0.00072
MW-4	09/12/06	T14672-3	<0.00035	<0.00020	<0.00033	<0.00036
MW-4	12/06/06	T15622-3	<0.00035	<0.00020	<0.00033	<0.00036
MW-4	02/28/07	T16496-3	<0.00035	<0.00020	<0.00033	<0.00036
MW-4	05/30/07	T17641-3	<0.00021	<0.00023	<0.00035	<0.00055
MW-4	09/07/07	T18808-3	<0.00021	<0.00023	<0.00035	<0.00055
MW-4	11/13/07	T19744-3	<0.0005	<0.0005	<0.0005	<0.001
MW-4	02/28/08	T21043-3	<0.00021	<0.00023	<0.00035	<0.00055
MW-4	05/20/08	T22267-4	<0.00021	<0.00023	<0.00035	<0.00055
MW-4	08/20/08	T23512-3	<0.0005	<0.0005	<0.0005	<0.001
MW-4	11/20/08	180211	<0.00100	<0.00100	<0.00100	<0.00100
MW-4	02/18/09	9021907	<0.00100	<0.00100	<0.00100	<0.00100
MW-4	05/20/09	9052216	<0.000149	<0.000188	<0.000178	<0.000163
MW-4	08/27/09	9083116	<0.000149	<0.000188	<0.000178	<0.000163
MW-4	11/18/09	215425	<0.000160	<0.000332	<0.000230	<0.000143
MW-4	02/09/10	222044	<0.000371	<0.000400	<0.000430	<0.000379
MW-4	05/12/10	1005477-04	<0.001	<0.001	<0.001	<0.003
MW-4	08/26/10	1008902-03	<0.001	<0.001	<0.001	<0.003
MW-4	11/18/10	1011750-03	<0.001	<0.001	<0.001	<0.003

TABLE 4
GROUNDWATER ANALYTICAL RESULTS
 Plains Marketing, L.P.
 Vacuum to Jal 14" Mainline #3
 SRS #2003-00117
 Lea County, New Mexico

Well Number	Sample Date	Sample ID	SW 846-8021B			
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
			NMOCD Remediation Criteria			
			0.01	0.75	0.75	0.62
MW-4	02/23/11	1102702-03	<0.001	<0.001	<0.001	<0.003
MW-4	06/02/11	1106118-03	<0.001	<0.001	<0.001	<0.003
MW-4	08/30/11	11081012-03	<0.001	<0.001	<0.001	<0.003
MW-4	11/29/11	1111902-03	<0.001	<0.001	<0.001	<0.003
MW-4	02/23/12	1202873-03	<0.0010	<0.0010	<0.0010	<0.003
MW-4	05/23/12	12051130-04	<0.001	<0.001	<0.001	<0.003
MW-4	09/12/12	1209473-03	<0.001	<0.001	<0.001	<0.003
MW-4	11/19/12	1211764-03	<0.001	<0.001	<0.001	<0.003
MW-4	02/28/13	L622670-03	<0.001	<0.005	<0.001	<0.003
MW-4	06/12/13	L641626-04	<0.001	<0.005	<0.001	<0.003
MW-4	09/10/13	L656792-02	<0.001	<0.005	<0.001	<0.003
MW-4	12/11/13	L674081-02	<0.001	<0.005	<0.001	<0.003
MW-5	03/28/06	T13037-4	<0.00038	<0.00036	<0.00035	<0.00072
MW-5	06/15/06	T13863-4	<0.00038	<0.00036	<0.00035	<0.00072
MW-5	09/12/06	T14672-4	<0.00035	<0.00020	<0.00033	<0.00036
MW-5	12/06/06	T15622-4	<0.00035	<0.00020	<0.00033	<0.00036
MW-5	02/28/07	T16496-4	<0.00035	<0.00020	<0.00033	<0.00036
MW-5	05/30/07	T17641-4	<0.00021	<0.00023	<0.00035	<0.00055
MW-5	09/07/07	T18808-4	<0.00021	<0.00023	<0.00035	<0.00055
MW-5	11/13/07	T19744-4	<0.0005	<0.0005	<0.0005	<0.001
MW-5	02/28/08	T21043-4	<0.00021	<0.00023	0.00210	<0.00055
MW-5	05/20/08	T22267-5	0.00120	<0.00023	<0.00035	<0.00055
MW-5	08/20/08	T23512-4	<0.0005	<0.0005	<0.0005	<0.001
MW-5	11/20/08	180212	<0.00100	<0.00100	<0.00100	<0.00100
MW-5	02/18/09	9021907	<0.00100	<0.00100	<0.00100	<0.00100
MW-5	05/20/09	9052216	<0.000149	<0.000188	<0.000178	<0.000163
MW-5	08/27/09	9083116	<0.000149	<0.000188	<0.000178	<0.000163
MW-5	11/18/09	215426	<0.000160	<0.000332	<0.000230	<0.000143
MW-5	02/09/10	222045	<0.000208	<0.000208	0.0010	0.0013
MW-5	05/12/10	1005477-05	<0.001	<0.001	0.0018	<0.003
MW-5	08/26/10	1008902-04	<0.001	<0.001	<0.001	<0.003
MW-5	11/18/10	1011750-04	<0.001	<0.001	<0.001	<0.003
MW-5	02/23/11	1102702-04	<0.001	<0.001	<0.001	<0.003
MW-5	06/02/11	1106118-04	<0.001	<0.001	<0.001	<0.003
MW-5	08/30/11	11081012-04	<0.001	<0.001	<0.001	<0.003
MW-5	11/29/11	1111902-04	<0.001	<0.001	<0.001	<0.003
MW-5	02/23/12	1202873-04	<0.0010	<0.0010	<0.0010	<0.003
MW-5	05/23/12	12051130-05	<0.001	<0.001	<0.001	<0.003
MW-5	09/12/12	1209473-04	<0.001	<0.001	<0.001	<0.003
MW-5	11/19/12	1211764-04	<0.001	<0.001	<0.001	<0.003
MW-5	02/28/13	L622670-04	<0.001	<0.005	<0.001	<0.003
MW-5	06/12/13	L641626-05	<0.001	<0.005	<0.001	<0.003
MW-5	09/10/13	L656792-03	<0.001	<0.005	<0.001	<0.003
MW-5	12/11/13	L674081-03	<0.001	<0.005	<0.001	<0.003
MW-6	03/28/06	T13037-5	<0.00038	<0.00036	<0.00035	<0.00072
MW-6	06/15/06	T13863-5	<0.00038	<0.00036	<0.00035	<0.00072

TABLE 4
GROUNDWATER ANALYTICAL RESULTS
 Plains Marketing, L.P.
 Vacuum to Jal 14" Mainline #3
 SRS #2003-00117
 Lea County, New Mexico

Well Number	Sample Date	Sample ID	SW 846-8021B			
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
			NMOCD Remediation Criteria			
			0.01	0.75	0.75	0.62
MW-6	09/12/06	T14672-5	<0.00035	<0.00020	<0.00033	<0.00036
MW-6	12/06/06	T15622-5	<0.00035	<0.00020	<0.00033	<0.00036
MW-6	02/28/07	T16496-5	<0.00035	<0.00020	<0.00033	<0.00036
MW-6	05/30/07	T17641-5	<0.00021	<0.00023	<0.00035	<0.00055
MW-6	09/07/07	T18808-5	<0.00021	<0.00023	<0.00035	<0.00055
MW-6	11/13/07	T19744-5	<0.0005	<0.0005	<0.0005	<0.001
MW-6	02/28/08	T21043-5	<0.00021	<0.00023	<0.00035	<0.00055
MW-6	05/20/08	T22267-8	<0.00021	<0.00023	<0.00035	<0.00055
MW-6	08/20/08	T23512-5	<0.0005	<0.0005	<0.0005	<0.001
MW-6	11/20/08	180213	<0.00100	<0.00100	<0.00100	<0.00100
MW-6	02/18/09	9021907	<0.00100	<0.00100	<0.00100	<0.00100
MW-6	05/20/09	9052216	<0.000149	<0.000188	<0.000178	0.0002 J
MW-6	08/27/09	9083116	<0.000149	<0.000188	<0.000178	<0.000163
MW-6	11/18/09	215427	<0.000160	<0.000332	<0.000230	<0.000143
MW-6	02/09/10	222046	<0.000208	<0.000208	<0.000303	<0.000326
MW-6	05/12/10	1005477-06	<0.001	<0.001	<0.001	<0.003
MW-6	08/26/10	1008902-05	<0.001	<0.001	<0.001	<0.003
MW-6	11/18/10	1011750-05	<0.001	<0.001	<0.001	<0.003
MW-6	02/23/11	1102702-05	<0.001	<0.001	<0.001	<0.003
MW-6	06/02/11	1106118-05	<0.001	<0.001	<0.001	<0.003
MW-6	08/30/11	11081012-05	<0.001	<0.001	<0.001	<0.003
MW-6	11/29/11	1111902-05	<0.001	<0.001	<0.001	<0.003
MW-6	02/23/12	1202873-05	<0.001	<0.001	<0.001	<0.003
MW-6	05/23/12	12051130-06	<0.001	<0.001	<0.001	<0.003
MW-6	09/12/12	1209473-05	<0.001	<0.001	<0.001	<0.003
MW-6	11/19/12	1211764-05	<0.001	<0.001	<0.001	<0.003
MW-6	02/28/13	L622670-05	<0.001	<0.005	<0.001	<0.003
MW-6	06/12/13	L641626-06	<0.001	<0.005	<0.001	<0.003
MW-6	09/10/13	L656792-04	<0.001	<0.005	<0.001	<0.003
MW-6	12/11/13	L656792-04	<0.001	<0.005	<0.001	<0.003
MW-7	03/28/06	T13037-6	<0.00038	<0.00036	<0.00035	<0.00072
MW-7	06/15/06	T13863-6	<0.00038	<0.00036	<0.00035	<0.00072
MW-7	09/12/06	T14672-6	<0.00035	<0.00020	<0.00033	<0.00036
MW-7	12/06/06	T15622-6	<0.00035	<0.00020	<0.00033	<0.00036
MW-7	02/28/07	T16496-6	<0.00035	<0.00020	<0.00033	<0.00036
MW-7	05/30/07	T17641-6	<0.00021	<0.00023	<0.00035	<0.00055
MW-7	09/07/07	T18808-6	<0.00021	<0.00023	<0.00035	<0.00055
MW-7	11/13/07	T19744-6	<0.0005	<0.0005	<0.0005	<0.001
MW-7	02/28/08	T21043-6	<0.00021	<0.00023	<0.00035	<0.00055
MW-7	05/20/08	T22267-7	0.00650	<0.00023 *	0.00060 J*	<0.00055 *
MW-7	08/20/08	T23512-6	0.00110	<0.0005	<0.0005	<0.001
MW-7	11/20/08	180214	<0.00100	<0.00100	<0.00100	<0.00100
MW-7	02/18/09	187838	<0.00100	<0.00100	<0.00100	<0.00100
MW-7	05/20/09	9052216	<0.000149	<0.000188	<0.000178	<0.000163
MW-7	08/27/09	9083116	<0.000149	<0.000188	<0.000178	<0.000163
MW-7	11/18/09	215428	<0.000160	<0.000332	<0.000230	<0.000143
MW-7	02/09/10	222047	<0.000208	<0.000208	<0.000303	<0.000326

TABLE 4
GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Sample Date	Sample ID	SW 846-8021B			
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
			NMOCD Remediation Criteria			
			0.01	0.75	0.75	0.62
MW-7	05/12/10	1005477-07	<0.001	<0.001	<0.001	<0.003
MW-7	08/26/10	1008902-06	<0.001	<0.001	<0.001	<0.003
MW-7	11/18/10	1011750-06	<0.001	<0.001	<0.001	<0.003
MW-7	02/23/11	1102702-06	<0.001	<0.001	<0.001	<0.003
MW-7	06/02/11	1106118-06	<0.001	<0.001	<0.001	<0.003
MW-7	08/30/11	11081012-06	<0.001	<0.001	<0.001	<0.003
MW-7	11/29/11	1111902-06	<0.001	<0.001	<0.001	<0.003
MW-7	02/23/12	1202873-06	<0.001	<0.001	<0.001	<0.003
MW-7	5/23/2012	12051130-07	<0.001	<0.001	<0.001	<0.003
MW-7	09/12/12	1209473-06	<0.001	<0.001	<0.001	<0.003
MW-7	11/19/12	1211764-06	<0.001	<0.001	<0.001	<0.003
MW-7	02/28/13	L622670-06	<0.001	<0.005	<0.001	<0.003
MW-7	06/12/13	L641626-07	<0.001	<0.005	<0.001	<0.003
MW-7	09/10/13	L656792-05	<0.001	<0.005	<0.001	<0.003
MW-7	12/11/13	L674081-05	<0.001	<0.005	<0.001	<0.003
MW-8	05/12/10	1005477-08	<0.001	<0.001	<0.001	<0.003
MW-8	08/26/10	1008902-07	<0.001	<0.001	<0.001	<0.003
MW-8	11/18/10	1011750-07	<0.001	<0.001	<0.001	<0.003
MW-8	02/23/11	1102702-07	<0.001	<0.001	<0.001	<0.003
MW-8	06/02/11	1106118-07	<0.001	<0.001	<0.001	<0.003
MW-8	08/30/11	11081012-07	0.0020	<0.001	<0.001	<0.003
MW-8	11/29/11	1111902-07	<0.001	<0.001	<0.001	<0.003
MW-8	02/23/12	1202873-07	0.0011	<0.001	<0.001	<0.003
MW-8	05/23/12	12051130-08	0.030	<0.001	0.0061	<0.003
MW-8	09/12/12	1209473-07	<0.001	<0.001	<0.001	<0.003
MW-8	11/19/12	1211764-07	<0.001	<0.001	<0.001	<0.003
MW-8	02/28/13	L622670-07	<0.001	<0.005	<0.001	<0.003
MW-8	06/12/13	L641626-08	<0.001	<0.005	<0.001	<0.003
MW-8	09/10/13	L656792-06	<0.001	<0.005	<0.001	<0.003
MW-8	12/11/13	L674081-06	<0.001	<0.005	<0.001	<0.003
MW-9	12/11/13	L674081-07	<0.001	<0.005	<0.001	<0.003
RW-1	06/02/11	1106109-02	0.150	0.011	0.069	0.100
RW-1	02/23/12	NS	NS	NS	NS	NS
RW-1	05/23/12	12051130-09	0.084	0.0035	0.039	0.049
RW-1	09/12/12	NS	NS	NS	NS	NS
RW-1	11/19/12	NS	NS	NS	NS	NS
RW-1	02/28/13	NS	NS	NS	NS	NS
RW-1	06/12/13	L641626-09	0.56	0.18	0.17	0.35
RW-1	09/10/13	NS	NS	NS	NS	NS
RW-1	12/11/13	NS	NS	NS	NS	NS
RW-2	06/02/11	1106109-03	0.0089	0.0013	0.0069	0.013
RW-2	02/23/12	NS	NS	NS	NS	NS
RW-2	05/23/12	12051130-10	0.020	0.015	0.081	0.22
RW-2	09/12/12	NS	NS	NS	NS	NS

TABLE 4
GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Sample Date	Sample ID	SW 846-8021B			
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
			NMOCD Remediation Criteria			
			0.01	0.75	0.75	0.62
RW-2	11/19/12	NS	NS	NS	NS	NS
RW-2	02/28/13	NS	NS	NS	NS	NS
RW-2	06/12/13	L641626-10	0.038	0.028	0.12	0.17
RW-2	09/10/13	NS	NS	NS	NS	NS
RW-2	12/11/13	NS	NS	NS	NS	NS
RW-3	06/02/11	1106109-04	1.0	0.01	0.20	0.280
RW-3	02/23/12	NS	NS	NS	NS	NS
RW-3	05/23/12	12051130-11	0.89	<0.010	0.21	0.26
RW-3	09/12/12	NS	NS	NS	NS	NS
RW-3	11/19/12	NS	NS	NS	NS	NS
RW-3	02/28/13	NS	NS	NS	NS	NS
RW-3	09/10/13	NS	NS	NS	NS	NS
RW-3	09/10/13	NS	NS	NS	NS	NS
RW-3	12/11/13	NS	NS	NS	NS	NS
RW-4	06/02/11	1106109-05	0.1700	0.22	0.27	0.630
RW-4	02/23/12	NS	NS	NS	NS	NS
RW-4	05/23/12	12051130-12	0.060	0.0051	0.089	0.19
RW-4	09/12/12	NS	NS	NS	NS	NS
RW-4	11/19/12	NS	NS	NS	NS	NS
RW-4	02/28/13	NS	NS	NS	NS	NS
RW-4	06/12/13	L641626-12	2.4	0.22	0.59	1.1
RW-4	09/10/13	NS	NS	NS	NS	NS
RW-4	12/11/13	NS	NS	NS	NS	NS
RW-5	06/02/11	1106109-06	0.0280	0.0066	0.0390	0.044
RW-5	02/23/12	NS	NS	NS	NS	NS
RW-5	05/23/12	12051130-13	0.017	0.011	0.031	0.033
RW-5	09/12/12	NS	NS	NS	NS	NS
RW-5	11/19/12	NS	NS	NS	NS	NS
RW-5	02/28/13	NS	NS	NS	NS	NS
RW-5	06/12/13	L641626-13	3.7	2.9	0.88	1.9
RW-5	09/10/13	NS	NS	NS	NS	NS
RW-5	12/11/13	NS	NS	NS	NS	NS

NMOCD: New Mexico Oil Conservation Division

Exceedences of NMOCD Remediation Criteria are shown in **bold**

J: Analyte detected below method detection limit (MDL but above sample detection limit (SDL)

^a = Results from run 2 (dilution factor = 5)

* Values reported from run 2 as carry over was reported in run 1

TABLE 5
PAH GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Monitoring Well	Sample Date	Lab Report #	Naphthalene	Acenaphthylene	Acenaphthene	Flourene	Indeno(1,2,3-cd)pyrene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo[a]-anthracene	Chrysene	Benzo[b]-fluoranthene	Benzo[a]-pyrene	Dibenzofuran	Dibenz[a,h]-anthracene	Benzo[g,h,i]-perylene	Benzo[k]fluoranthene	1-Methylnaphthalene	2-Methylnaphthalene	Total methylnaphthalene	TPH-GRO (C6-C10)	TPH (C10-C28)	TPH (C28-C30)
Units			(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)
Other regulatory limits (Tap Water*)			***		365	243	0.91	1100	1830	1460	183	0.91	29.1	0.91	0.7**		0.091		9.1			***			
MW-1	5/20/2008	T22301-1	150	<16	<15	35.5 J	<24	39.7 J	<18	<16	<11	<14	<13	<15	<16	NA	<13	<25	<16	NA	28.5	28.5	41.5	137	NA
MW-1	5/20/2009	9052216	26	<0.0717	<0.133	2.02	<0.0812	2.68	<0.0819	<0.0892	<0.0465	<0.0307	<0.0926	<0.0640	<0.0513	3.03	<0.0566	<0.0637	<0.0776	24.4	20.1	44.5	6.82	17.8	NA
MW-1	5/12/2010	1005477-01	42	0.56	1.2	2.1	<0.2	4	<0.2	<0.2	<0.2	<0.2	0.5	<0.2	<0.2	NA	<0.2	<0.2	<0.2	NA	NA	NA	31	35	6.4
MW-1	5/23/2012	12051130-01	45	0.292	0.267	2.00	<0.0979	3.35	<0.0979	2.00	0.108	<0.0979	<0.0979	<0.0979	<0.0979	NA	<0.0979	<0.0979	<0.0979	NA	NA	NA	NA	NA	NA
MW-1	6/13/2013	L641626-01	81	1.4	2.9	9.9	<0.015	17	2.7	0.57	1.4	<0.012	<0.43	<0.014	<0.012	14	<0.004	<0.011	0.14	11	11	NA	NA	NA	NA
MW-2	12/7/2011	1112251-01	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	NA	<0.2	<0.2	<0.2	NA	NA	NA	NA	NA	NA
MW-3	12/7/2011	1112251-02	0.00023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	NA	<0.2	<0.2	<0.2	NA	NA	NA	NA	NA	NA
MW-3	6/12/2013	L641626-03	9.3	0.053	0.12	0.39	<0.015	0.42	<0.0076	<0.016	<0.012	<0.012	<0.011	<0.014	<0.012	0.7	<0.004	<0.011	<0.014	7.7	7.6	NA	NA	NA	NA
MW-8	12/7/2011	111251-03	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	NA	<0.2	<0.2	<0.2	NA	NA	NA	NA	NA	NA
MW-8	6/12/2013	L641626-08	<0.020	<0.0068	<0.0076	<0.0085	<0.015	<0.0082	<0.0076	<0.016	<0.012	<0.012	<0.011	<0.014	<0.012	0.0071	<0.004	<0.011	<0.014	0.0094	<0.009	NA	NA	NA	NA
RW-1	<0.2	T22301-2	34.5	<1.6	<1.5	5.1	<2.4	4.1 J	<1.8	<1.6	<1.1	<1.4	<1.3	<1.5	<1.6	NA	<1.3	<2.5	<1.6	NA	37.1	37.1	15.6	9.76	
RW-1	5/20/2009	9052216	205a	<0.756	<1.40	<0.560	<0.856	68.3	<0.863	<0.940	<0.490	<0.323	<0.975	<0.674	<0.541	51.9	<0.596	<0.671	<0.818	425	449a	874	2.22	60.8	
RW-1	5/12/2010	1005477-09	24	0.43	<0.2	2.3	<0.2	4	<0.2	<0.2	<0.2	<0.2	0.49	<0.2	<0.2	NA	<0.2	<0.2	<0.2	NA	NA	NA	80	120	21
RW-1	5/23/2012	12051130-09	4.4	<0.0957	<0.0957	0.42	<0.0957	0.709	<0.0957	<0.0957	<0.0957	<0.0957	<0.0957	<0.0957	<0.0957	NA	<0.0957	<0.0957	<0.0957	NA	NA	NA	NA	NA	NA
RW-1	6/12/2013	L641626-09	50	0.049	0.31	0.19	<0.015	0.17	0.049	0.037	0.03	0.013	0.011	0.014	0.012	0.037	<0.0040	<0.011	<0.014	49	77	NA	NA	NA	NA
RW-2	5/20/2008	T22301-3	4.8 J	<1.6	<1.5	<2.1	<2.4	<1.6	<1.8	<1.6	<1.1	<1.4	<1.3	<1.5	<1.6	NA	<1.3	<2.5	<1.6	NA	4.3 J	4.3 J	1.28	0.737	
RW-2	5/20/2009	9052216	25.7	<0.355	<0.657	<0.263	<0.402	8.6	<0.406	<0.442	<0.230	<0.152	<0.458	<0.317	<0.254	6.7	<0.280	<0.315	<0.384	43.7	44.2	87.9	2.81	56.5	
RW-2	5/12/2010	1005477-10	38	<0.2	1.1	1.9	<0.2	4.7	0.4	<0.2	<0.2	<0.2	0.49	<0.2	<0.2	NA	<0.2	<0.2	<0.2	NA	NA		12	15	3.1
RW-2	5/23/2012	12051130-10	<0.0965	0.465	0.375	2.53	<0.0965	5.1	0.464	0.189	0.226	<0.0965	0.57	<0.0965	<0.0965	NA	<0.0965	<0.0965	<0.0965	NA	NA	NA	NA	NA	NA
RW-2	6/12/2013	L641626-10	13	0.072	0.17	0.6	<0.015	0.61	0.1	<0.016	0.05	<0.012	0.027	<0.014	<0.012	1	<0.004	<0.011	<0.014	0.012	0.011	NA	NA	NA	NA
RW-3	5/20/2008	T22301-4	23.1	<1.6	<1.5	<2.1	<2.4	<1.6	<1.8	<1.6	<1.1	<1.4	<1.3	<1.5	<1.6	NA	<1.3	<2.5	<1.6	NA	20.1	20.1	15.5	2.92	
RW-3	5/20/2009	9052216	6.11	<0.0703	<0.130	0.63	<0.0797	0.77	<0.0803	<0.0875	<0.0456	<0.0301	<0.0908	<0.0627	<0.0503	0.877	<0.0555	<0.0624	<0.0761	6.41	4.23	10.64	1.56 J	<0.876	
RW-3	5/12/2010	1005477-11	15	<0.2	<0.2	0.89	<0.2	1.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	NA	<0.2	<0.2	<0.2	NA	NA	NA	3.9	3.1	<0.48
RW-3	5/23/2012	12051130-11	20.8	0.129	0.129	0.793	<0.0991	1.07	<0.0991	<0.0991	<0.0991	<0.0991	<0.0991	<0.0991	<0.0991	NA	<0.0991	<0.0991	<0.0991	NA	NA	NA	NA	NA	NA
RW-3	6/12/2013	L641626-11	25	0.16	0.36	1.3	<0.015	1.8	0.22	0.047	0.1	0.013	0.033	0.014	0.012	2.2	<0.004	<0.011	<0.014	22	22	NA	NA	NA	NA
RW-4	5/12/2010	1005477-12	43	<0.2	0.4	2.1	<0.2	3.5	<0.2	<0.2	<0.2	<0.2	0.44	<0.2	<0.2	NA	<0.2	<0.2	<0.2	NA	NA	NA	40	48	7.8
RW-4	5/23/2012	12051130-12	17	0.236	0.26	1.51	<0.0962	3.26	<0.0962	<0.0962	0.104	<0.0962	0.295	<0.0962	<0.0962	NA	<0.0962	<0.0962	<0.0962	NA	NA	NA	NA	NA	NA
RW-4	6/12/2013	L641626-12	57	0.2	0.41	1.6	<0.015	1.8	0.1	1.6	0.054	<0.012	0.017	<0.014	<0.012	3.1	<0.004	<0.011	<0.014	41	42	NA	NA	NA	NA
RW-5	5/12/2010	1005477-13	9.6	<0.2	<0.2	0.74	<0.2	0.86	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	NA	<0.2	<0.2	<0.2	NA	NA	NA	7.8	3.8	<0.47
RW-5	5/23/2012	12051130-13	7.76	0.364	0.203	1.57	<0.0962	3.44	<0.0962	<0.0962	<0.0962	<0.0962	0.349	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	NA	NA	NA	NA	NA	NA
RW-5	6/12/2013	L641626-13	<0.0082	<0.0068	<0.0082	<0.0085	<0.015	<0.0082	<0.0076	<0.016	<0.012	<0.012	<0.011	<0.014	<0.012	0.0048	<0.004	<0.011	<0.014	<0.0082	<0.009	NA	NA	NA	NA

NMOCD: New Mexico Oil Conservation Division

Exceedences of NMOCD Remediation Criteria are shown in **bold**

J: Analyte detected below method detection limit (MDL but above sample detection limit (SDL)

* Values reported from run 2 as carry over was reported in run 1

Tap Water*: New Mexico Environmental Department (NMED) Tap Water Soil screening levels for residential scenarios.

*** = NM Water Quality Standard for PAHs is 30µg/L for total naphthalenes plus monomethylnaphthalenes (total methylnaphthalenes)

** = NM Water Quality Standard

^a Estimated concentration value greater than standard range

NA: Not analyzed

TABLE 6
 2013 MONTHLY FLUIDS RECOVERY DATA
 Plains Marketing, L.P.
 Vacuum to Jal 14" Mainline #3
 SRS #2003-00117
 Lea County, New Mexico

Well	PSH Recovered (gallons)	Groundwater Recovered (gallons)	Total Fluids Recovered (gallons)
MW-1	4.20	90.25	94.45
MW-3	0.75	29.25	30
RW1	10.00	195.50	205.5
RW2	0.90	44.50	45.4
RW3	28.40	221.40	249.8
RW4	16.55	230.25	246.8
RW5	53.25	298.75	352
Totals for :	114.05	1109.9	1223.95

TABLE 7
Soil Analytical Results
Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well Number	Sample Date	Sample ID	8260B				
			Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)
			NMOCD Remediation Criteria				
			10.0	NA	NA	NA	50
MW-9	11/06/13	35-40 ft.	<0.0050	<0.025	<0.0050	<0.015	<0.025
MW-9	11/06/13	40-45 ft.	<0.0050	<0.025	<0.0050	<0.015	<0.025
IW-1	11/06/13	10-15 ft.	<0.025	<0.13	0.016	0.50	0.52
IW-1	11/06/13	15-20 ft.	0.73	2.6	18	44	65.33
IW-1	11/06/13	30-35 ft.	0.75	2.8	11	32	43.00
IW-2	11/07/13	40-45 ft.	<0.0050	<0.025	<0.0050	<0.015	<0.015
IW-3	11/07/13	40-45 ft.	0.0093 J	0.24	0.69	1.7	2.39
IW-3	11/07/13	45-50 ft.	0.16	1.0	1.9	4.3	6.20
IW-3	11/07/13	50-55 ft.	<0.025	0.032 J	0.28	0.66	0.94

APPENDIX A

2013 Laboratory Analytical Data

1st Quarter – Laboratory Report ID# L622670

2nd Quarter – Laboratory Report ID# L641626

3rd Quarter – Laboratory Report ID# L656792

4th Quarter – Laboratory Report ID# L674081

Chain of Custody Documentation



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Tax I.D. 62-0814289

Est. 1970

Kathleen Buxton
EnTech Consulting Corporation
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

Report Summary

Monday March 04, 2013

Report Number: L622670

Samples Received: 03/01/13

Client Project:

Description: VAC to JAL #3

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,
FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016,
NC - ENV375/DW21704/B10041, ND - R-140, NJ - TN002, NJ NELAP - TN002,
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,
TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

March 04, 2013

Date Received : March 01, 2013
Description : VAC to JAL #3

Sample ID : MW2

Collected By : Shane Diller
Collection Date : 02/28/13 12:20

ESC Sample # : L622670-01

Site ID : VAC TO JAL 3

Project # :

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	03/02/13	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	03/02/13	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	03/02/13	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	03/02/13	1
Surrogate Recovery									
Toluene-d8	102.				% Rec.		8260B	03/02/13	1
Dibromofluoromethane	105.				% Rec.		8260B	03/02/13	1
a,a,a-Trifluorotoluene	103.				% Rec.		8260B	03/02/13	1
4-Bromofluorobenzene	103.				% Rec.		8260B	03/02/13	1

U = ND (Not Detected) = Less than SDL

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

March 04, 2013

Date Received : March 01, 2013
Description : VAC to JAL #3
Sample ID : MW3
Collected By : Shane Diller
Collection Date : 02/28/13 12:40

ESC Sample # : L622670-02

Site ID : VAC TO JAL 3

Project # :

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	03/02/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	03/02/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	03/02/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	03/02/13	1	
Surrogate Recovery									
Toluene-d8	101.				% Rec.	8260B	03/02/13	1	
Dibromofluoromethane	103.				% Rec.	8260B	03/02/13	1	
a,a,a-Trifluorotoluene	102.				% Rec.	8260B	03/02/13	1	
4-Bromofluorobenzene	99.8				% Rec.	8260B	03/02/13	1	

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Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

March 04, 2013

Date Received : March 01, 2013
Description : VAC to JAL #3

Sample ID : MW4

Collected By : Shane Diller
Collection Date : 02/28/13 12:50

ESC Sample # : L622670-03

Site ID : VAC TO JAL 3

Project # :

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	03/02/13	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	03/02/13	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	03/02/13	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	03/02/13	1
Surrogate Recovery									
Toluene-d8	100.				% Rec.		8260B	03/02/13	1
Dibromofluoromethane	104.				% Rec.		8260B	03/02/13	1
a,a,a-Trifluorotoluene	101.				% Rec.		8260B	03/02/13	1
4-Bromofluorobenzene	102.				% Rec.		8260B	03/02/13	1

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21 Waterway Ave., Suite 300
The Woodlands, TX 77380

March 04, 2013

Date Received : March 01, 2013
Description : VAC to JAL #3
Sample ID : MW5
Collected By : Shane Diller
Collection Date : 02/28/13 12:30

ESC Sample # : L622670-04

Site ID : VAC TO JAL 3

Project # :

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	03/02/13	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	03/02/13	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	03/02/13	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	03/02/13	1
Surrogate Recovery									
Toluene-d8	99.7				% Rec.		8260B	03/02/13	1
Dibromofluoromethane	105.				% Rec.		8260B	03/02/13	1
a,a,a-Trifluorotoluene	101.				% Rec.		8260B	03/02/13	1
4-Bromofluorobenzene	102.				% Rec.		8260B	03/02/13	1

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REPORT OF ANALYSIS

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Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

March 04, 2013

Date Received : March 01, 2013
Description : VAC to JAL #3
Sample ID : MW6
Collected By : Shane Diller
Collection Date : 02/28/13 13:00

ESC Sample # : L622670-05

Site ID : VAC TO JAL 3

Project # :

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	03/02/13	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	03/02/13	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	03/02/13	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	03/02/13	1
Surrogate Recovery									
Toluene-d8	101.				% Rec.		8260B	03/02/13	1
Dibromofluoromethane	104.				% Rec.		8260B	03/02/13	1
a,a,a-Trifluorotoluene	99.5				% Rec.		8260B	03/02/13	1
4-Bromofluorobenzene	102.				% Rec.		8260B	03/02/13	1

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REPORT OF ANALYSIS

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21 Waterway Ave., Suite 300
The Woodlands, TX 77380

March 04, 2013

Date Received : March 01, 2013
Description : VAC to JAL #3

Sample ID : MW7

Collected By : Shane Diller
Collection Date : 02/28/13 12:45

ESC Sample # : L622670-06

Site ID : VAC TO JAL 3

Project # :

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	03/02/13	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	03/02/13	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	03/02/13	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	03/02/13	1
Surrogate Recovery									
Toluene-d8	104.				% Rec.		8260B	03/02/13	1
Dibromofluoromethane	102.				% Rec.		8260B	03/02/13	1
a,a,a-Trifluorotoluene	102.				% Rec.		8260B	03/02/13	1
4-Bromofluorobenzene	102.				% Rec.		8260B	03/02/13	1

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REPORT OF ANALYSIS

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March 04, 2013

Date Received : March 01, 2013
Description : VAC to JAL #3
Sample ID : MW8
Collected By : Shane Diller
Collection Date : 02/28/13 12:25

ESC Sample # : L622670-07

Site ID : VAC TO JAL 3

Project # :

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	03/02/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	03/02/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	03/02/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	03/02/13	1	
Surrogate Recovery									
Toluene-d8	102.				% Rec.	8260B	03/02/13	1	
Dibromofluoromethane	103.				% Rec.	8260B	03/02/13	1	
a,a,a-Trifluorotoluene	101.				% Rec.	8260B	03/02/13	1	
4-Bromofluorobenzene	104.				% Rec.	8260B	03/02/13	1	

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Quality Assurance Report
Level II

L622670

March 04, 2013

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Benzene	< .001	mg/l			WG639065	03/01/13 12:24
Ethylbenzene	< .001	mg/l			WG639065	03/01/13 12:24
Toluene	< .005	mg/l			WG639065	03/01/13 12:24
Total Xylenes	< .003	mg/l			WG639065	03/01/13 12:24
4-Bromofluorobenzene		% Rec.	104.5	82-120	WG639065	03/01/13 12:24
Dibromofluoromethane		% Rec.	98.42	82-126	WG639065	03/01/13 12:24
Toluene-d8		% Rec.	101.5	92-112	WG639065	03/01/13 12:24
a,a,a-Trifluorotoluene		% Rec.	100.5	90-116	WG639065	03/01/13 12:24

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Benzene	mg/l	.025	0.0236	94.4	72-119	WG639065
Ethylbenzene	mg/l	.025	0.0245	98.0	77-124	WG639065
Toluene	mg/l	.025	0.0238	95.2	75-114	WG639065
Total Xylenes	mg/l	.075	0.0733	97.8	77-123	WG639065
4-Bromofluorobenzene				100.0	82-120	WG639065
Dibromofluoromethane				101.2	82-126	WG639065
Toluene-d8				98.10	92-112	WG639065
a,a,a-Trifluorotoluene				99.78	90-116	WG639065

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Benzene	mg/l	0.0226	0.0236	90.0	72-119	4.22	20	WG639065
Ethylbenzene	mg/l	0.0242	0.0245	97.0	77-124	1.07	20	WG639065
Toluene	mg/l	0.0237	0.0238	95.0	75-114	0.360	20	WG639065
Total Xylenes	mg/l	0.0733	0.0733	98.0	77-123	0.0800	20	WG639065
4-Bromofluorobenzene				103.2	82-120			WG639065
Dibromofluoromethane				98.64	82-126			WG639065
Toluene-d8				102.5	92-112			WG639065
a,a,a-Trifluorotoluene				101.4	90-116			WG639065

Analyte	Units	Matrix Spike			% Rec	Limit	Ref Samp	Batch
		MS Res	Ref Res	TV				
Benzene	mg/l	0.0228	0	.025	91.1	51-134	L622646-01	WG639065
Ethylbenzene	mg/l	0.0244	0	.025	97.8	64-135	L622646-01	WG639065
Toluene	mg/l	0.0239	0	.025	95.7	61-126	L622646-01	WG639065
Total Xylenes	mg/l	0.0723	0	.075	96.4	64-133	L622646-01	WG639065
4-Bromofluorobenzene					101.9	82-120		WG639065
Dibromofluoromethane					101.7	82-126		WG639065
Toluene-d8					102.9	92-112		WG639065
a,a,a-Trifluorotoluene					101.3	90-116		WG639065

Analyte	Units	Matrix Spike Duplicate			Limit	RPD	Limit	Ref Samp	Batch
		MSD	Ref	%Rec					
Benzene	mg/l	0.0226	0.0228	90.6	51-134	0.570	20	L622646-01	WG639065
Ethylbenzene	mg/l	0.0245	0.0244	98.0	64-135	0.210	20	L622646-01	WG639065
Toluene	mg/l	0.0239	0.0239	95.7	61-126	0.0100	20	L622646-01	WG639065
Total Xylenes	mg/l	0.0720	0.0723	95.9	64-133	0.460	20	L622646-01	WG639065
4-Bromofluorobenzene				101.3	82-120				WG639065
Dibromofluoromethane				98.11	82-126				WG639065
Toluene-d8				103.2	92-112				WG639065
a,a,a-Trifluorotoluene				100.6	90-116				WG639065

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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Quality Assurance Report
Level II

L622670

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Est. 1970

March 04, 2013

Batch number /Run number / Sample number cross reference

WG639065: R2567439: L622670-01 02 03 04 05 06 07

* * Calculations are performed prior to rounding of reported values.

* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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March 04, 2013

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Plains All American Pipeline -

Entech

21 Waterway Ave., Suite 300
The Woodlands, TX 77380

Billing information:

Accounts Payable
333 Clay St., Ste 1600
Houston, TX 77002

Analysis/Container/Preservative

Chain of Custody

Page 1 of 1



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G114

Report to: **Kathleen Buxton**
Email: **kathleen.buxton@entechservi**

Project Description: **Vac to Jal 3**
City/State Collected: **NM**

Phone: (979) 997-2338
FAX:
Client Project #:
Lab Project #: **PLAINSENT-MIDLAND**

Collected by (print): **SHANE DILLER**
Site/Facility ID#: **Vac to Jal 3**
P.O.#:

Collected by (signature): **[Signature]**
Immediately Packed on Ice N ☐ Y ☒ **X**
Rush? (Lab MUST Be Notified)
Same Day200%
Next Day100%
Two Day50%
Three Day25%
Date Results Needed
Email? ☐ No ☒ Yes
FAX? ☐ No ☐ Yes
No. of Cntrs

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs
mw 2	G	GW		2-28	1220	2
mw 3	G	GW			1240	2
mw 4	G	GW			1250	2
mw 5	G	GW			1230	2
mw 6	G	GW			1300	2
mw 7	G	GW			1245	2
mw 8	G	GW		2-28	1225	2
		GW				2

V8260BTEX 40mlAmb-HCl

Acctnum: **PLAINSENT** (lab use only)
Template/Prelogin: **T84640/ P420330**
Cooler #: **211136K**
Shipped Via: **FedEX Ground**

Remarks/Contaminant Sample # (lab only)

L622670 -01
-02
-03
-04
-05
-06
-07

*Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other _____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Relinquished by: (Signature) [Signature]	Date: 2-28-13	Time: 1730	Received by: (Signature) [Signature]	554702310760	Samples returned via: ☒ UPS ☒ FedEx ☐ Courier ☐	Condition: (lab use only) OK
Relinquished by: (Signature) [Signature]	Date:	Time:	Received by: (Signature) [Signature]	Temp: 3.40C	Bottles Received: 1441TB	COC Seal Intact: ☒ N ☐ NA
Relinquished by: (Signature) [Signature]	Date:	Time:	Received for lab by: (Signature) [Signature]	Date: 3/1/13	Time: 0900	pH Checked: NCF:



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Kathleen Buxton
EnTech Consulting Corporation
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

Report Summary

Tuesday June 25, 2013

Report Number: L641626

Samples Received: 06/15/13

Client Project: PAA12013

Description: Vac to Jal#3

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,
FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016,
NC - ENV375/DW21704/B10041, ND - R-140, NJ - TN002, NJ NELAP - TN002,
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,
TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

June 25, 2013

Date Received : June 15, 2013
Description : Vac to Jal#3

Sample ID : MW-1

Collected By : Kathleen Buxton
Collection Date : 06/13/13 09:50

ESC Sample # : L641626-01

Site ID : SRS - 2003-00117

Project # : PAA12013

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	1.7	0.00033	0.016	0.050	mg/l		8260B	06/21/13	50
Toluene	0.17	0.00078	0.039	0.25	mg/l	J	8260B	06/21/13	50
Ethylbenzene	0.69	0.00038	0.019	0.050	mg/l		8260B	06/21/13	50
Total Xylenes	0.61	0.0011	0.053	0.15	mg/l		8260B	06/21/13	50
Surrogate Recovery									
Toluene-d8	103.				% Rec.		8260B	06/21/13	50
Dibromofluoromethane	105.				% Rec.		8260B	06/21/13	50
a,a,a-Trifluorotoluene	104.				% Rec.		8260B	06/21/13	50
4-Bromofluorobenzene	102.				% Rec.		8260B	06/21/13	50
Polynuclear Aromatic Hydrocarbons									
Anthracene	0.0027	0.0000076	0.000076	0.00050	mg/l		8270C-S	06/20/13	10
Acenaphthene	0.0029	0.0000082	0.000082	0.00050	mg/l		8270C-S	06/20/13	10
Acenaphthylene	0.0014	0.0000068	0.000068	0.00050	mg/l		8270C-S	06/20/13	10
Benzo(a)anthracene	U	0.000012	0.00012	0.00050	mg/l		8270C-S	06/20/13	10
Benzo(a)pyrene	U	0.000012	0.00012	0.00050	mg/l		8270C-S	06/20/13	10
Benzo(b)fluoranthene	U	0.000014	0.00014	0.00050	mg/l		8270C-S	06/20/13	10
Benzo(g,h,i)perylene	U	0.000011	0.00011	0.00050	mg/l		8270C-S	06/20/13	10
Benzo(k)fluoranthene	0.00014	0.000014	0.00014	0.00050	mg/l	J	8270C-S	06/20/13	10
Chrysene	0.00043	0.000011	0.00011	0.00050	mg/l	J	8270C-S	06/20/13	10
Dibenz(a,h)anthracene	U	0.0000040	0.000040	0.00050	mg/l		8270C-S	06/20/13	10
Dibenzofuran	0.014	0.000011	0.00010	0.00050	mg/l		8270C-S	06/20/13	10
Fluoranthene	0.00057	0.000016	0.00016	0.00050	mg/l		8270C-S	06/20/13	10
Fluorene	0.0099	0.0000085	0.000085	0.00050	mg/l		8270C-S	06/20/13	10
Indeno(1,2,3-cd)pyrene	U	0.000015	0.00015	0.00050	mg/l		8270C-S	06/20/13	10
Naphthalene	0.081	0.000020	0.00020	0.0025	mg/l		8270C-S	06/20/13	10
Phenanthrene	0.017	0.0000082	0.000082	0.00050	mg/l		8270C-S	06/20/13	10
Pyrene	0.0014	0.000012	0.00012	0.00050	mg/l		8270C-S	06/20/13	10
1-Methylnaphthalene	0.11	0.0000082	0.000082	0.0025	mg/l		8270C-S	06/20/13	10
2-Methylnaphthalene	0.11	0.0000090	0.000090	0.0025	mg/l		8270C-S	06/20/13	10
2-Chloronaphthalene	0.00019	0.0000065	0.000065	0.0025	mg/l	J	8270C-S	06/20/13	10
Surrogate Recovery									
Nitrobenzene-d5	98.3				% Rec.		8270C-S	06/20/13	10
2-Fluorobiphenyl	135.				% Rec.		8270C-S	06/20/13	10
p-Terphenyl-d14	126.				% Rec.		8270C-S	06/20/13	10

U = ND (Not Detected) = Less than SDL

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

June 25, 2013

Date Received : June 15, 2013
Description : Vac to Jal#3

Sample ID : MW-2

Collected By : Kathleen Buxton
Collection Date : 06/12/13 17:50

ESC Sample # : L641626-02

Site ID : SRS - 2003-00117

Project # : PAA12013

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	06/21/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	06/21/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	06/21/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	06/21/13	1	
Surrogate Recovery									
Toluene-d8	101.				% Rec.	8260B	06/21/13	1	
Dibromofluoromethane	108.				% Rec.	8260B	06/21/13	1	
a,a,a-Trifluorotoluene	107.				% Rec.	8260B	06/21/13	1	
4-Bromofluorobenzene	98.2				% Rec.	8260B	06/21/13	1	

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

June 25, 2013

Date Received : June 15, 2013
Description : Vac to Jal#3

Sample ID : MW-3

Collected By : Kathleen Buxton
Collection Date : 06/12/13 19:50

ESC Sample # : L641626-03

Site ID : SRS - 2003-00117

Project # : PAA12013

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	0.040	0.00033	0.00033	0.0010	mg/l	8260B	06/18/13	1	
Toluene	0.12	0.00078	0.00078	0.0050	mg/l	8260B	06/18/13	1	
Ethylbenzene	0.077	0.00038	0.00038	0.0010	mg/l	8260B	06/18/13	1	
Total Xylenes	0.18	0.0011	0.0011	0.0030	mg/l	8260B	06/18/13	1	
Surrogate Recovery									
Toluene-d8	104.				% Rec.	8260B	06/18/13	1	
Dibromofluoromethane	100.				% Rec.	8260B	06/18/13	1	
a,a,a-Trifluorotoluene	103.				% Rec.	8260B	06/18/13	1	
4-Bromofluorobenzene	99.4				% Rec.	8260B	06/18/13	1	
Polynuclear Aromatic Hydrocarbons									
Anthracene	U	0.0000076	0.0000076	0.000050	mg/l	8270C-S	06/19/13	1	
Acenaphthene	0.00012	0.0000082	0.0000082	0.000050	mg/l	8270C-S	06/19/13	1	
Acenaphthylene	0.000053	0.0000068	0.0000068	0.000050	mg/l	8270C-S	06/19/13	1	
Benzo(a)anthracene	U	0.000012	0.000012	0.000050	mg/l	8270C-S	06/19/13	1	
Benzo(a)pyrene	U	0.000012	0.000012	0.000050	mg/l	8270C-S	06/19/13	1	
Benzo(b)fluoranthene	U	0.000014	0.000014	0.000050	mg/l	8270C-S	06/19/13	1	
Benzo(g,h,i)perylene	U	0.000011	0.000011	0.000050	mg/l	8270C-S	06/19/13	1	
Benzo(k)fluoranthene	U	0.000014	0.000014	0.000050	mg/l	8270C-S	06/19/13	1	
Chrysene	U	0.000011	0.000011	0.000050	mg/l	8270C-S	06/19/13	1	
Dibenz(a,h)anthracene	U	0.0000040	0.0000040	0.000050	mg/l	8270C-S	06/19/13	1	
Dibenzofuran	0.00070	0.000011	0.000010	0.000050	mg/l	8270C-S	06/19/13	1	
Fluoranthene	U	0.000016	0.000016	0.000050	mg/l	8270C-S	06/19/13	1	
Fluorene	0.00039	0.0000085	0.0000085	0.000050	mg/l	8270C-S	06/19/13	1	
Indeno(1,2,3-cd)pyrene	U	0.000015	0.000015	0.000050	mg/l	8270C-S	06/19/13	1	
Naphthalene	0.0093	0.000020	0.000020	0.00025	mg/l	8270C-S	06/19/13	1	
Phenanthrene	0.00042	0.0000082	0.0000082	0.000050	mg/l	8270C-S	06/19/13	1	
Pyrene	U	0.000012	0.000012	0.000050	mg/l	8270C-S	06/19/13	1	
1-Methylnaphthalene	0.0077	0.0000082	0.0000082	0.00025	mg/l	8270C-S	06/19/13	1	
2-Methylnaphthalene	0.0076	0.0000090	0.0000090	0.00025	mg/l	8270C-S	06/19/13	1	
2-Chloronaphthalene	U	0.0000065	0.0000065	0.00025	mg/l	8270C-S	06/19/13	1	
Surrogate Recovery									
Nitrobenzene-d5	152.				% Rec.	8270C-S	06/19/13	1	
2-Fluorobiphenyl	127.				% Rec.	8270C-S	06/19/13	1	
p-Terphenyl-d14	134.				% Rec.	8270C-S	06/19/13	1	

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

June 25, 2013

Date Received : June 15, 2013
Description : Vac to Jal#3

Sample ID : MW-4

Collected By : Kathleen Buxton
Collection Date : 06/12/13 11:20

ESC Sample # : L641626-04

Site ID : SRS - 2003-00117

Project # : PAA12013

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	06/18/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	06/18/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	06/18/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	06/18/13	1	
Surrogate Recovery									
Toluene-d8	104.				% Rec.	8260B	06/18/13	1	
Dibromofluoromethane	105.				% Rec.	8260B	06/18/13	1	
a,a,a-Trifluorotoluene	105.				% Rec.	8260B	06/18/13	1	
4-Bromofluorobenzene	101.				% Rec.	8260B	06/18/13	1	

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Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

June 25, 2013

Date Received : June 15, 2013
Description : Vac to Jal#3

Sample ID : MW-5

Collected By : Kathleen Buxton
Collection Date : 06/12/13 12:10

ESC Sample # : L641626-05

Site ID : SRS - 2003-00117

Project # : PAA12013

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	06/18/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	06/18/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	06/18/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	06/18/13	1	
Surrogate Recovery									
Toluene-d8	103.				% Rec.	8260B	06/18/13	1	
Dibromofluoromethane	105.				% Rec.	8260B	06/18/13	1	
a,a,a-Trifluorotoluene	102.				% Rec.	8260B	06/18/13	1	
4-Bromofluorobenzene	102.				% Rec.	8260B	06/18/13	1	

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June 25, 2013

Date Received : June 15, 2013
Description : Vac to Jal#3

Sample ID : MW-6

Collected By : Kathleen Buxton
Collection Date : 06/12/13 11:45

ESC Sample # : L641626-06

Site ID : SRS - 2003-00117

Project # : PAA12013

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	06/19/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	06/19/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	06/19/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	06/19/13	1	
Surrogate Recovery									
Toluene-d8	101.				% Rec.	8260B	06/19/13	1	
Dibromofluoromethane	106.				% Rec.	8260B	06/19/13	1	
a,a,a-Trifluorotoluene	101.				% Rec.	8260B	06/19/13	1	
4-Bromofluorobenzene	93.4				% Rec.	8260B	06/19/13	1	

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June 25, 2013

Date Received : June 15, 2013
Description : Vac to Jal#3

Sample ID : MW-7

Collected By : Kathleen Buxton
Collection Date : 06/12/13 18:25

ESC Sample # : L641626-07

Site ID : SRS - 2003-00117

Project # : PAA12013

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	06/18/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	06/18/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	06/18/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	06/18/13	1	
Surrogate Recovery									
Toluene-d8	107.				% Rec.	8260B	06/18/13	1	
Dibromofluoromethane	105.				% Rec.	8260B	06/18/13	1	
a,a,a-Trifluorotoluene	104.				% Rec.	8260B	06/18/13	1	
4-Bromofluorobenzene	101.				% Rec.	8260B	06/18/13	1	

U = ND (Not Detected) = Less than SDL

Note:

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REPORT OF ANALYSIS

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June 25, 2013

Date Received : June 15, 2013
Description : Vac to Jal#3

Sample ID : MW-8

Collected By : Kathleen Buxton
Collection Date : 06/12/13 18:45

ESC Sample # : L641626-08

Site ID : SRS - 2003-00117

Project # : PAA12013

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	06/18/13	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	06/18/13	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	06/18/13	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	06/18/13	1
Surrogate Recovery									
Toluene-d8	103.				% Rec.		8260B	06/18/13	1
Dibromofluoromethane	108.				% Rec.		8260B	06/18/13	1
a,a,a-Trifluorotoluene	104.				% Rec.		8260B	06/18/13	1
4-Bromofluorobenzene	99.5				% Rec.		8260B	06/18/13	1
Polynuclear Aromatic Hydrocarbons									
Anthracene	U	0.0000076	0.0000076	0.000050	mg/l		8270C-S	06/19/13	1
Acenaphthene	U	0.0000082	0.0000082	0.000050	mg/l		8270C-S	06/19/13	1
Acenaphthylene	U	0.0000068	0.0000068	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(a)anthracene	U	0.000012	0.000012	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(a)pyrene	U	0.000012	0.000012	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(b)fluoranthene	U	0.000014	0.000014	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(g,h,i)perylene	U	0.000011	0.000011	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(k)fluoranthene	U	0.000014	0.000014	0.000050	mg/l		8270C-S	06/19/13	1
Chrysene	U	0.000011	0.000011	0.000050	mg/l		8270C-S	06/19/13	1
Dibenz(a,h)anthracene	U	0.0000040	0.0000040	0.000050	mg/l		8270C-S	06/19/13	1
Dibenzofuran	0.0000071	0.0000011	0.0000010	0.000050	mg/l	J	8270C-S	06/19/13	1
Fluoranthene	U	0.000016	0.000016	0.000050	mg/l		8270C-S	06/19/13	1
Fluorene	U	0.0000085	0.0000085	0.000050	mg/l		8270C-S	06/19/13	1
Indeno(1,2,3-cd)pyrene	U	0.000015	0.000015	0.000050	mg/l		8270C-S	06/19/13	1
Naphthalene	U	0.000020	0.000020	0.00025	mg/l		8270C-S	06/19/13	1
Phenanthrene	U	0.0000082	0.0000082	0.000050	mg/l		8270C-S	06/19/13	1
Pyrene	U	0.000012	0.000012	0.000050	mg/l		8270C-S	06/19/13	1
1-Methylnaphthalene	0.0000094	0.0000082	0.0000082	0.00025	mg/l	J	8270C-S	06/19/13	1
2-Methylnaphthalene	U	0.0000090	0.0000090	0.00025	mg/l		8270C-S	06/19/13	1
2-Chloronaphthalene	U	0.0000065	0.0000065	0.00025	mg/l		8270C-S	06/19/13	1
Surrogate Recovery									
Nitrobenzene-d5	121.				% Rec.		8270C-S	06/19/13	1
2-Fluorobiphenyl	108.				% Rec.		8270C-S	06/19/13	1
p-Terphenyl-d14	103.				% Rec.		8270C-S	06/19/13	1

U = ND (Not Detected) = Less than SDL

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Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

June 25, 2013

Date Received : June 15, 2013
Description : Vac to Jal#3

Sample ID : RW-1

Collected By : Kathleen Buxton
Collection Date : 06/12/13 19:00

ESC Sample # : L641626-09

Site ID : SRS - 2003-00117

Project # : PAA12013

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	0.56	0.00033	0.0033	0.010	mg/l		8260B	06/18/13	10
Toluene	0.18	0.00078	0.0078	0.050	mg/l		8260B	06/18/13	10
Ethylbenzene	0.17	0.00038	0.0038	0.010	mg/l		8260B	06/18/13	10
Total Xylenes	0.35	0.0011	0.011	0.030	mg/l		8260B	06/18/13	10
Surrogate Recovery									
Toluene-d8	103.				% Rec.		8260B	06/18/13	10
Dibromofluoromethane	99.8				% Rec.		8260B	06/18/13	10
a,a,a-Trifluorotoluene	99.5				% Rec.		8260B	06/18/13	10
4-Bromofluorobenzene	102.				% Rec.		8260B	06/18/13	10
Polynuclear Aromatic Hydrocarbons									
Anthracene	0.000049	0.0000076	0.0000076	0.000050	mg/l	J	8270C-S	06/19/13	1
Acenaphthene	0.00031	0.0000082	0.0000082	0.000050	mg/l		8270C-S	06/19/13	1
Acenaphthylene	0.000049	0.0000068	0.0000068	0.000050	mg/l	J	8270C-S	06/19/13	1
Benzo(a)anthracene	0.000013	0.000012	0.000012	0.000050	mg/l	J	8270C-S	06/19/13	1
Benzo(a)pyrene	U	0.000012	0.000012	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(b)fluoranthene	U	0.000014	0.000014	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(g,h,i)perylene	U	0.000011	0.000011	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(k)fluoranthene	U	0.000014	0.000014	0.000050	mg/l		8270C-S	06/19/13	1
Chrysene	U	0.000011	0.000011	0.000050	mg/l		8270C-S	06/19/13	1
Dibenz(a,h)anthracene	U	0.0000040	0.0000040	0.000050	mg/l		8270C-S	06/19/13	1
Dibenzofuran	0.000081	0.0000011	0.0000010	0.000050	mg/l		8270C-S	06/19/13	1
Fluoranthene	0.000037	0.000016	0.000016	0.000050	mg/l	J	8270C-S	06/19/13	1
Fluorene	0.00019	0.0000085	0.0000085	0.000050	mg/l		8270C-S	06/19/13	1
Indeno(1,2,3-cd)pyrene	U	0.000015	0.000015	0.000050	mg/l		8270C-S	06/19/13	1
Naphthalene	0.050	0.000020	0.000020	0.00025	mg/l		8270C-S	06/19/13	1
Phenanthrene	0.00017	0.0000082	0.0000082	0.000050	mg/l		8270C-S	06/19/13	1
Pyrene	0.000030	0.000012	0.000012	0.000050	mg/l	J	8270C-S	06/19/13	1
1-Methylnaphthalene	0.048	0.0000082	0.0000082	0.00025	mg/l		8270C-S	06/19/13	1
2-Methylnaphthalene	0.077	0.0000090	0.0000090	0.00025	mg/l		8270C-S	06/19/13	1
2-Chloronaphthalene	U	0.0000065	0.0000065	0.00025	mg/l		8270C-S	06/19/13	1
Surrogate Recovery									
Nitrobenzene-d5	143.				% Rec.		8270C-S	06/19/13	1
2-Fluorobiphenyl	102.				% Rec.		8270C-S	06/19/13	1
p-Terphenyl-d14	98.6				% Rec.		8270C-S	06/19/13	1

U = ND (Not Detected) = Less than SDL

Note:

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

June 25, 2013

Date Received : June 15, 2013
Description : Vac to Jal#3

Sample ID : RW-2

Collected By : Kathleen Buxton
Collection Date : 06/13/13 10:38

ESC Sample # : L641626-10

Site ID : SRS - 2003-00117

Project # : PAA12013

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	0.038	0.00033	0.0033	0.010	mg/l		8260B	06/18/13	10
Toluene	0.028	0.00078	0.0078	0.050	mg/l	J	8260B	06/18/13	10
Ethylbenzene	0.12	0.00038	0.0038	0.010	mg/l		8260B	06/18/13	10
Total Xylenes	0.17	0.0011	0.011	0.030	mg/l		8260B	06/18/13	10
Surrogate Recovery									
Toluene-d8	101.				% Rec.		8260B	06/18/13	10
Dibromofluoromethane	101.				% Rec.		8260B	06/18/13	10
a,a,a-Trifluorotoluene	98.8				% Rec.		8260B	06/18/13	10
4-Bromofluorobenzene	97.2				% Rec.		8260B	06/18/13	10
Polynuclear Aromatic Hydrocarbons									
Anthracene	0.00010	0.0000076	0.0000076	0.000050	mg/l		8270C-S	06/19/13	1
Acenaphthene	0.00017	0.0000082	0.0000082	0.000050	mg/l		8270C-S	06/19/13	1
Acenaphthylene	0.000072	0.0000068	0.0000068	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(a)anthracene	U	0.000012	0.000012	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(a)pyrene	U	0.000012	0.000012	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(b)fluoranthene	U	0.000014	0.000014	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(g,h,i)perylene	U	0.000011	0.000011	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(k)fluoranthene	U	0.000014	0.000014	0.000050	mg/l		8270C-S	06/19/13	1
Chrysene	0.000027	0.000011	0.000011	0.000050	mg/l	J	8270C-S	06/19/13	1
Dibenz(a,h)anthracene	U	0.0000040	0.0000040	0.000050	mg/l		8270C-S	06/19/13	1
Dibenzofuran	0.0010	0.000011	0.000010	0.000050	mg/l		8270C-S	06/19/13	1
Fluoranthene	U	0.000016	0.000016	0.000050	mg/l		8270C-S	06/19/13	1
Fluorene	0.00060	0.0000085	0.0000085	0.000050	mg/l		8270C-S	06/19/13	1
Indeno(1,2,3-cd)pyrene	U	0.000015	0.000015	0.000050	mg/l		8270C-S	06/19/13	1
Naphthalene	0.013	0.000020	0.000020	0.00025	mg/l		8270C-S	06/19/13	1
Phenanthrene	0.00061	0.0000082	0.0000082	0.000050	mg/l		8270C-S	06/19/13	1
Pyrene	0.000050	0.000012	0.000012	0.000050	mg/l		8270C-S	06/19/13	1
1-Methylnaphthalene	0.012	0.0000082	0.0000082	0.00025	mg/l		8270C-S	06/19/13	1
2-Methylnaphthalene	0.011	0.0000090	0.0000090	0.00025	mg/l		8270C-S	06/19/13	1
2-Chloronaphthalene	U	0.0000065	0.0000065	0.00025	mg/l		8270C-S	06/19/13	1
Surrogate Recovery									
Nitrobenzene-d5	123.				% Rec.		8270C-S	06/19/13	1
2-Fluorobiphenyl	106.				% Rec.		8270C-S	06/19/13	1
p-Terphenyl-d14	106.				% Rec.		8270C-S	06/19/13	1

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REPORT OF ANALYSIS

June 25, 2013

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

Date Received : June 15, 2013
Description : Vac to Jal#3

Sample ID : RW-3

Collected By : Kathleen Buxton
Collection Date : 06/12/13 18:55

ESC Sample # : L641626-11

Site ID : SRS - 2003-00117

Project # : PAA12013

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	1.3	0.00033	0.0033	0.010	mg/l		8260B	06/18/13	10
Toluene	0.74	0.00078	0.0078	0.050	mg/l		8260B	06/18/13	10
Ethylbenzene	0.32	0.00038	0.0038	0.010	mg/l		8260B	06/18/13	10
Total Xylenes	0.58	0.0011	0.011	0.030	mg/l		8260B	06/18/13	10
Surrogate Recovery									
Toluene-d8	102.				% Rec.		8260B	06/18/13	10
Dibromofluoromethane	97.6				% Rec.		8260B	06/18/13	10
a,a,a-Trifluorotoluene	99.2				% Rec.		8260B	06/18/13	10
4-Bromofluorobenzene	103.				% Rec.		8260B	06/18/13	10
Polynuclear Aromatic Hydrocarbons									
Anthracene	0.00022	0.0000076	0.0000076	0.000050	mg/l		8270C-S	06/19/13	1
Acenaphthene	0.00036	0.0000082	0.0000082	0.000050	mg/l		8270C-S	06/19/13	1
Acenaphthylene	0.00016	0.0000068	0.0000068	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(a)anthracene	0.000013	0.000012	0.000012	0.000050	mg/l	J	8270C-S	06/19/13	1
Benzo(a)pyrene	U	0.000012	0.000012	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(b)fluoranthene	U	0.000014	0.000014	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(g,h,i)perylene	U	0.000011	0.000011	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(k)fluoranthene	U	0.000014	0.000014	0.000050	mg/l		8270C-S	06/19/13	1
Chrysene	0.000033	0.000011	0.000011	0.000050	mg/l	J	8270C-S	06/19/13	1
Dibenz(a,h)anthracene	U	0.0000040	0.0000040	0.000050	mg/l		8270C-S	06/19/13	1
Dibenzofuran	0.0022	0.000011	0.000010	0.000050	mg/l		8270C-S	06/19/13	1
Fluoranthene	0.000047	0.000016	0.000016	0.000050	mg/l	J	8270C-S	06/19/13	1
Fluorene	0.0013	0.0000085	0.0000085	0.000050	mg/l		8270C-S	06/19/13	1
Indeno(1,2,3-cd)pyrene	U	0.000015	0.000015	0.000050	mg/l		8270C-S	06/19/13	1
Naphthalene	0.025	0.000020	0.000020	0.00025	mg/l		8270C-S	06/19/13	1
Phenanthrene	0.0018	0.0000082	0.0000082	0.000050	mg/l		8270C-S	06/19/13	1
Pyrene	0.00010	0.000012	0.000012	0.000050	mg/l		8270C-S	06/19/13	1
1-Methylnaphthalene	0.022	0.0000082	0.0000082	0.00025	mg/l		8270C-S	06/19/13	1
2-Methylnaphthalene	0.022	0.0000090	0.0000090	0.00025	mg/l		8270C-S	06/19/13	1
2-Chloronaphthalene	U	0.0000065	0.0000065	0.00025	mg/l		8270C-S	06/19/13	1
Surrogate Recovery									
Nitrobenzene-d5	122.				% Rec.		8270C-S	06/19/13	1
2-Fluorobiphenyl	104.				% Rec.		8270C-S	06/19/13	1
p-Terphenyl-d14	108.				% Rec.		8270C-S	06/19/13	1

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

June 25, 2013

Date Received : June 15, 2013
Description : Vac to Jal#3

Sample ID : RW-4

Collected By : Kathleen Buxton
Collection Date : 06/12/13 19:15

ESC Sample # : L641626-12

Site ID : SRS - 2003-00117

Project # : PAA12013

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	2.4	0.00033	0.016	0.050	mg/l		8260B	06/18/13	50
Toluene	0.22	0.00078	0.039	0.25	mg/l	J	8260B	06/18/13	50
Ethylbenzene	0.59	0.00038	0.019	0.050	mg/l		8260B	06/18/13	50
Total Xylenes	1.1	0.0011	0.053	0.15	mg/l		8260B	06/18/13	50
Surrogate Recovery									
Toluene-d8	103.				% Rec.		8260B	06/18/13	50
Dibromofluoromethane	104.				% Rec.		8260B	06/18/13	50
a,a,a-Trifluorotoluene	101.				% Rec.		8260B	06/18/13	50
4-Bromofluorobenzene	101.				% Rec.		8260B	06/18/13	50
Polynuclear Aromatic Hydrocarbons									
Anthracene	0.00010	0.0000076	0.0000076	0.000050	mg/l		8270C-S	06/19/13	1
Acenaphthene	0.00041	0.0000082	0.0000082	0.000050	mg/l		8270C-S	06/19/13	1
Acenaphthylene	0.00020	0.0000068	0.0000068	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(a)anthracene	U	0.000012	0.000012	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(a)pyrene	U	0.000012	0.000012	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(b)fluoranthene	U	0.000014	0.000014	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(g,h,i)perylene	U	0.000011	0.000011	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(k)fluoranthene	U	0.000014	0.000014	0.000050	mg/l		8270C-S	06/19/13	1
Chrysene	0.000017	0.000011	0.000011	0.000050	mg/l	J	8270C-S	06/19/13	1
Dibenz(a,h)anthracene	U	0.0000040	0.0000040	0.000050	mg/l		8270C-S	06/19/13	1
Dibenzofuran	0.0031	0.000011	0.000010	0.000050	mg/l		8270C-S	06/19/13	1
Fluoranthene	0.000032	0.000016	0.000016	0.000050	mg/l	J	8270C-S	06/19/13	1
Fluorene	0.0016	0.0000085	0.0000085	0.000050	mg/l		8270C-S	06/19/13	1
Indeno(1,2,3-cd)pyrene	U	0.000015	0.000015	0.000050	mg/l		8270C-S	06/19/13	1
Naphthalene	0.057	0.000020	0.000020	0.00025	mg/l		8270C-S	06/19/13	1
Phenanthrene	0.0018	0.0000082	0.0000082	0.000050	mg/l		8270C-S	06/19/13	1
Pyrene	0.000054	0.000012	0.000012	0.000050	mg/l		8270C-S	06/19/13	1
1-Methylnaphthalene	0.041	0.0000082	0.0000082	0.00025	mg/l		8270C-S	06/19/13	1
2-Methylnaphthalene	0.042	0.0000090	0.0000090	0.00025	mg/l		8270C-S	06/19/13	1
2-Chloronaphthalene	0.0000070	0.0000065	0.0000065	0.00025	mg/l	J	8270C-S	06/19/13	1
Surrogate Recovery									
Nitrobenzene-d5	140.				% Rec.		8270C-S	06/19/13	1
2-Fluorobiphenyl	106.				% Rec.		8270C-S	06/19/13	1
p-Terphenyl-d14	112.				% Rec.		8270C-S	06/19/13	1

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

June 25, 2013

Date Received : June 15, 2013
Description : Vac to Jal#3

Sample ID : RW-5

Collected By : Kathleen Buxton
Collection Date : 06/12/13 19:30

ESC Sample # : L641626-13

Site ID : SRS - 2003-00117

Project # : PAA12013

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	3.7	0.00033	0.16	0.50	mg/l		8260B	06/18/13	500
Toluene	2.9	0.00078	0.39	2.5	mg/l		8260B	06/18/13	500
Ethylbenzene	0.88	0.00038	0.19	0.50	mg/l		8260B	06/18/13	500
Total Xylenes	1.9	0.0011	0.53	1.5	mg/l		8260B	06/18/13	500
Surrogate Recovery									
Toluene-d8	99.4				% Rec.		8260B	06/18/13	500
Dibromofluoromethane	104.				% Rec.		8260B	06/18/13	500
a,a,a-Trifluorotoluene	101.				% Rec.		8260B	06/18/13	500
4-Bromofluorobenzene	95.8				% Rec.		8260B	06/18/13	500
Polynuclear Aromatic Hydrocarbons									
Anthracene	U	0.0000076	0.0000076	0.000050	mg/l		8270C-S	06/20/13	1
Acenaphthene	U	0.0000082	0.0000082	0.000050	mg/l		8270C-S	06/20/13	1
Acenaphthylene	U	0.0000068	0.0000068	0.000050	mg/l		8270C-S	06/20/13	1
Benzo(a)anthracene	U	0.000012	0.000012	0.000050	mg/l		8270C-S	06/20/13	1
Benzo(a)pyrene	U	0.000012	0.000012	0.000050	mg/l		8270C-S	06/20/13	1
Benzo(b)fluoranthene	U	0.000014	0.000014	0.000050	mg/l		8270C-S	06/20/13	1
Benzo(g,h,i)perylene	U	0.000011	0.000011	0.000050	mg/l		8270C-S	06/20/13	1
Benzo(k)fluoranthene	U	0.000014	0.000014	0.000050	mg/l		8270C-S	06/20/13	1
Chrysene	U	0.000011	0.000011	0.000050	mg/l		8270C-S	06/20/13	1
Dibenz(a,h)anthracene	U	0.0000040	0.0000040	0.000050	mg/l		8270C-S	06/20/13	1
Dibenzofuran	0.0000048	0.000011	0.000010	0.000050	mg/l	J	8270C-S	06/20/13	1
Fluoranthene	U	0.000016	0.000016	0.000050	mg/l		8270C-S	06/20/13	1
Fluorene	U	0.0000085	0.0000085	0.000050	mg/l		8270C-S	06/20/13	1
Indeno(1,2,3-cd)pyrene	U	0.000015	0.000015	0.000050	mg/l		8270C-S	06/20/13	1
Naphthalene	U	0.000020	0.000020	0.00025	mg/l		8270C-S	06/20/13	1
Phenanthrene	U	0.0000082	0.0000082	0.000050	mg/l		8270C-S	06/20/13	1
Pyrene	U	0.000012	0.000012	0.000050	mg/l		8270C-S	06/20/13	1
1-Methylnaphthalene	U	0.0000082	0.0000082	0.00025	mg/l		8270C-S	06/20/13	1
2-Methylnaphthalene	U	0.0000090	0.0000090	0.00025	mg/l		8270C-S	06/20/13	1
2-Chloronaphthalene	U	0.0000065	0.0000065	0.00025	mg/l		8270C-S	06/20/13	1
Surrogate Recovery									
Nitrobenzene-d5	95.5				% Rec.		8270C-S	06/20/13	1
2-Fluorobiphenyl	108.				% Rec.		8270C-S	06/20/13	1
p-Terphenyl-d14	105.				% Rec.		8270C-S	06/20/13	1

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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L641626-01	WG667054	SAMP	Benzo(k)fluoranthene	R2716203	J
	WG667054	SAMP	Chrysene	R2716203	J
	WG667054	SAMP	2-Chloronaphthalene	R2716203	J
	WG667986	SAMP	Toluene	R2717640	J
L641626-08	WG667054	SAMP	Dibenzofuran	R2716203	J
	WG667054	SAMP	1-Methylnaphthalene	R2716203	J
L641626-09	WG667054	SAMP	Anthracene	R2716203	J
	WG667054	SAMP	Acenaphthylene	R2716203	J
	WG667054	SAMP	Benzo(a)anthracene	R2716203	J
	WG667054	SAMP	Fluoranthene	R2716203	J
L641626-10	WG667054	SAMP	Pyrene	R2716203	J
	WG667054	SAMP	Chrysene	R2716203	J
	WG666869	SAMP	Toluene	R2714360	J
	WG667054	SAMP	Benzo(a)anthracene	R2716203	J
L641626-11	WG667054	SAMP	Chrysene	R2716203	J
	WG667054	SAMP	Fluoranthene	R2716203	J
	WG667054	SAMP	Chrysene	R2716203	J
L641626-12	WG667054	SAMP	Fluoranthene	R2716203	J
	WG667054	SAMP	2-Chloronaphthalene	R2716203	J
	WG666869	SAMP	Toluene	R2714360	J
	WG666919	SAMP	Dibenzofuran	R2716202	J

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
06/25/13 at 07:17:44

TSR Signing Reports: 134
R5 - Desired TAT

Do not log for TS or QCTX, always log BTEXM by 8260

Sample: L641626-01 Account: PLAINSENT Received: 06/15/13 09:30 Due Date: 06/24/13 00:00 RPT Date: 06/25/13 07:17
Sample: L641626-02 Account: PLAINSENT Received: 06/15/13 09:30 Due Date: 06/24/13 00:00 RPT Date: 06/25/13 07:17
Sample: L641626-03 Account: PLAINSENT Received: 06/15/13 09:30 Due Date: 06/21/13 00:00 RPT Date: 06/25/13 07:17
Sample: L641626-04 Account: PLAINSENT Received: 06/15/13 09:30 Due Date: 06/21/13 00:00 RPT Date: 06/25/13 07:17
Sample: L641626-05 Account: PLAINSENT Received: 06/15/13 09:30 Due Date: 06/21/13 00:00 RPT Date: 06/25/13 07:17
Sample: L641626-06 Account: PLAINSENT Received: 06/15/13 09:30 Due Date: 06/21/13 00:00 RPT Date: 06/25/13 07:17
Sample: L641626-07 Account: PLAINSENT Received: 06/15/13 09:30 Due Date: 06/21/13 00:00 RPT Date: 06/25/13 07:17
Sample: L641626-08 Account: PLAINSENT Received: 06/15/13 09:30 Due Date: 06/21/13 00:00 RPT Date: 06/25/13 07:17
Sample: L641626-09 Account: PLAINSENT Received: 06/15/13 09:30 Due Date: 06/21/13 00:00 RPT Date: 06/25/13 07:17
Sample: L641626-10 Account: PLAINSENT Received: 06/15/13 09:30 Due Date: 06/21/13 00:00 RPT Date: 06/25/13 07:17
Sample: L641626-11 Account: PLAINSENT Received: 06/15/13 09:30 Due Date: 06/21/13 00:00 RPT Date: 06/25/13 07:17
Sample: L641626-12 Account: PLAINSENT Received: 06/15/13 09:30 Due Date: 06/21/13 00:00 RPT Date: 06/25/13 07:17
Sample: L641626-13 Account: PLAINSENT Received: 06/15/13 09:30 Due Date: 06/21/13 00:00 RPT Date: 06/25/13 07:17



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Est. 1970

Quality Assurance Report
Level II

June 25, 2013

L641626

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Benzene	< .001	mg/l			WG666865	06/18/13 12:07
Ethylbenzene	< .001	mg/l			WG666865	06/18/13 12:07
Toluene	< .005	mg/l			WG666865	06/18/13 12:07
Total Xylenes	< .003	mg/l			WG666865	06/18/13 12:07
4-Bromofluorobenzene		% Rec.	101.7	82-120	WG666865	06/18/13 12:07
Dibromofluoromethane		% Rec.	102.2	82-126	WG666865	06/18/13 12:07
Toluene-d8		% Rec.	102.1	92-112	WG666865	06/18/13 12:07
a,a,a-Trifluorotoluene		% Rec.	104.2	90-116	WG666865	06/18/13 12:07
Benzene	< .001	mg/l			WG667381	06/19/13 12:00
Ethylbenzene	< .001	mg/l			WG667381	06/19/13 12:00
Toluene	< .005	mg/l			WG667381	06/19/13 12:00
Total Xylenes	< .003	mg/l			WG667381	06/19/13 12:00
4-Bromofluorobenzene		% Rec.	94.28	82-120	WG667381	06/19/13 12:00
Dibromofluoromethane		% Rec.	100.8	82-126	WG667381	06/19/13 12:00
Toluene-d8		% Rec.	102.5	92-112	WG667381	06/19/13 12:00
a,a,a-Trifluorotoluene		% Rec.	101.7	90-116	WG667381	06/19/13 12:00
Benzene	< .001	mg/l			WG666869	06/18/13 12:18
Ethylbenzene	< .001	mg/l			WG666869	06/18/13 12:18
Toluene	< .005	mg/l			WG666869	06/18/13 12:18
Total Xylenes	< .003	mg/l			WG666869	06/18/13 12:18
4-Bromofluorobenzene		% Rec.	98.58	82-120	WG666869	06/18/13 12:18
Dibromofluoromethane		% Rec.	103.4	82-126	WG666869	06/18/13 12:18
Toluene-d8		% Rec.	102.2	92-112	WG666869	06/18/13 12:18
a,a,a-Trifluorotoluene		% Rec.	100.7	90-116	WG666869	06/18/13 12:18
Benzene	< .001	mg/l			WG667986	06/21/13 12:56
Ethylbenzene	< .001	mg/l			WG667986	06/21/13 12:56
Toluene	< .005	mg/l			WG667986	06/21/13 12:56
Total Xylenes	< .003	mg/l			WG667986	06/21/13 12:56
4-Bromofluorobenzene		% Rec.	99.18	82-120	WG667986	06/21/13 12:56
Dibromofluoromethane		% Rec.	106.0	82-126	WG667986	06/21/13 12:56
Toluene-d8		% Rec.	101.4	92-112	WG667986	06/21/13 12:56
a,a,a-Trifluorotoluene		% Rec.	104.9	90-116	WG667986	06/21/13 12:56

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Benzene	mg/l	.025	0.0230	91.8	72-119	WG666865
Ethylbenzene	mg/l	.025	0.0243	97.1	77-124	WG666865
Toluene	mg/l	.025	0.0232	92.8	75-114	WG666865
Total Xylenes	mg/l	.075	0.0728	97.1	77-123	WG666865
4-Bromofluorobenzene				97.25	82-120	WG666865
Dibromofluoromethane				99.84	82-126	WG666865
Toluene-d8				102.5	92-112	WG666865
a,a,a-Trifluorotoluene				103.4	90-116	WG666865
Benzene	mg/l	.025	0.0239	95.7	72-119	WG667381
Ethylbenzene	mg/l	.025	0.0265	106.	77-124	WG667381
Toluene	mg/l	.025	0.0244	97.5	75-114	WG667381
Total Xylenes	mg/l	.075	0.0790	105.	77-123	WG667381
4-Bromofluorobenzene				102.0	82-120	WG667381
Dibromofluoromethane				103.4	82-126	WG667381
Toluene-d8				103.2	92-112	WG667381

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Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
a,a,a-Trifluorotoluene				99.77	90-116	
Benzene	mg/l	.025	0.0243	97.3	72-119	WG666869
Ethylbenzene	mg/l	.025	0.0243	97.1	77-124	WG666869
Toluene	mg/l	.025	0.0250	100.	75-114	WG666869
Total Xylenes	mg/l	.075	0.0751	100.	77-123	WG666869
4-Bromofluorobenzene				97.25	82-120	WG666869
Dibromofluoromethane				105.4	82-126	WG666869
Toluene-d8				107.5	92-112	WG666869
a,a,a-Trifluorotoluene				99.00	90-116	WG666869
Benzene	mg/l	.025	0.0249	99.4	72-119	WG667986
Ethylbenzene	mg/l	.025	0.0253	101.	77-124	WG667986
Toluene	mg/l	.025	0.0245	98.0	75-114	WG667986
Total Xylenes	mg/l	.075	0.0754	101.	77-123	WG667986
4-Bromofluorobenzene				98.14	82-120	WG667986
Dibromofluoromethane				102.0	82-126	WG667986
Toluene-d8				103.1	92-112	WG667986
a,a,a-Trifluorotoluene				102.0	90-116	WG667986

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Benzene	mg/l	0.0240	0.0230	96.0	72-119	4.40	20	WG666865
Ethylbenzene	mg/l	0.0248	0.0243	99.0	77-124	2.13	20	WG666865
Toluene	mg/l	0.0238	0.0232	95.0	75-114	2.47	20	WG666865
Total Xylenes	mg/l	0.0737	0.0728	98.0	77-123	1.16	20	WG666865
4-Bromofluorobenzene				95.84	82-120			WG666865
Dibromofluoromethane				101.0	82-126			WG666865
Toluene-d8				102.8	92-112			WG666865
a,a,a-Trifluorotoluene				103.3	90-116			WG666865
Benzene	mg/l	0.0231	0.0239	92.0	72-119	3.45	20	WG667381
Ethylbenzene	mg/l	0.0248	0.0265	99.0	77-124	6.68	20	WG667381
Toluene	mg/l	0.0230	0.0244	92.0	75-114	5.79	20	WG667381
Total Xylenes	mg/l	0.0741	0.0790	99.0	77-123	6.38	20	WG667381
4-Bromofluorobenzene				98.50	82-120			WG667381
Dibromofluoromethane				101.8	82-126			WG667381
Toluene-d8				102.5	92-112			WG667381
a,a,a-Trifluorotoluene				101.2	90-116			WG667381
Benzene	mg/l	0.0236	0.0243	94.0	72-119	2.90	20	WG666869
Ethylbenzene	mg/l	0.0251	0.0243	100.	77-124	3.28	20	WG666869
Toluene	mg/l	0.0229	0.0250	92.0	75-114	8.73	20	WG666869
Total Xylenes	mg/l	0.0727	0.0751	97.0	77-123	3.15	20	WG666869
4-Bromofluorobenzene				99.07	82-120			WG666869
Dibromofluoromethane				105.1	82-126			WG666869
Toluene-d8				96.94	92-112			WG666869
a,a,a-Trifluorotoluene				98.33	90-116			WG666869
Benzene	mg/l	0.0242	0.0249	97.0	72-119	2.84	20	WG667986
Ethylbenzene	mg/l	0.0248	0.0253	99.0	77-124	1.86	20	WG667986
Toluene	mg/l	0.0239	0.0245	96.0	75-114	2.52	20	WG667986
Total Xylenes	mg/l	0.0742	0.0754	99.0	77-123	1.72	20	WG667986
4-Bromofluorobenzene				97.82	82-120			WG667986
Dibromofluoromethane				102.5	82-126			WG667986

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L641626

Analyte	Units	MS Res	Matrix Spike		% Rec	Limit	Ref Samp	Batch
			Ref Res	TV				
Toluene-d8				102.6	92-112			
a,a,a-Trifluorotoluene				103.2	90-116			

Analyte	Units	MS Res	Matrix Spike		% Rec	Limit	Ref Samp	Batch
			Ref Res	TV				
Benzene	mg/l	0.0746	0.0554	.025	76.8	51-134	L641568-01	WG666865
Ethylbenzene	mg/l	0.0460	0.0234	.025	90.4	64-135	L641568-01	WG666865
Toluene	mg/l	0.0614	0.0416	.025	79.1	61-126	L641568-01	WG666865
Total Xylenes	mg/l	0.154	0.0873	.075	89.1	64-133	L641568-01	WG666865
4-Bromofluorobenzene				95.18	82-120			WG666865
Dibromofluoromethane				100.9	82-126			WG666865
Toluene-d8				102.0	92-112			WG666865
a,a,a-Trifluorotoluene				103.5	90-116			WG666865
Benzene	mg/l	0.0232	0	.025	92.7	51-134	L641750-04	WG667381
Ethylbenzene	mg/l	0.0258	0	.025	103.	64-135	L641750-04	WG667381
Toluene	mg/l	0.0235	0	.025	93.9	61-126	L641750-04	WG667381
Total Xylenes	mg/l	0.0768	0	.075	102.	64-133	L641750-04	WG667381
4-Bromofluorobenzene				98.69	82-120			WG667381
Dibromofluoromethane				99.97	82-126			WG667381
Toluene-d8				103.2	92-112			WG667381
a,a,a-Trifluorotoluene				100.2	90-116			WG667381
Benzene	mg/l	0.0234	0	.025	93.6	51-134	L641631-10	WG666869
Ethylbenzene	mg/l	0.0238	0	.025	95.2	64-135	L641631-10	WG666869
Toluene	mg/l	0.0236	0	.025	94.2	61-126	L641631-10	WG666869
Total Xylenes	mg/l	0.0721	0	.075	96.1	64-133	L641631-10	WG666869
4-Bromofluorobenzene				95.43	82-120			WG666869
Dibromofluoromethane				100.6	82-126			WG666869
Toluene-d8				102.4	92-112			WG666869
a,a,a-Trifluorotoluene				100.4	90-116			WG666869
Benzene	mg/l	0.0217	0	.025	86.9	51-134	L641626-02	WG667986
Ethylbenzene	mg/l	0.0227	0	.025	90.8	64-135	L641626-02	WG667986
Toluene	mg/l	0.0240	0	.025	96.1	61-126	L641626-02	WG667986
Total Xylenes	mg/l	0.0703	0	.075	93.7	64-133	L641626-02	WG667986
4-Bromofluorobenzene				96.36	82-120			WG667986
Dibromofluoromethane				102.5	82-126			WG667986
Toluene-d8				102.9	92-112			WG667986
a,a,a-Trifluorotoluene				104.9	90-116			WG667986

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec					
Benzene	mg/l	0.0779	0.0746	90.0	51-134	4.31	20	L641568-01	WG666865
Ethylbenzene	mg/l	0.0479	0.0460	98.0	64-135	4.06	20	L641568-01	WG666865
Toluene	mg/l	0.0633	0.0614	86.5	61-126	2.98	20	L641568-01	WG666865
Total Xylenes	mg/l	0.159	0.154	96.1	64-133	3.32	20	L641568-01	WG666865
4-Bromofluorobenzene				94.37	82-120				WG666865
Dibromofluoromethane				103.2	82-126				WG666865
Toluene-d8				103.7	92-112				WG666865
a,a,a-Trifluorotoluene				103.2	90-116				WG666865
Benzene	mg/l	0.0224	0.0232	89.6	51-134	3.39	20	L641750-04	WG667381

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Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec					
Ethylbenzene	mg/l	0.0234	0.0258	93.7	64-135	9.51	20	L641750-04	WG667381
Toluene	mg/l	0.0221	0.0235	88.3	61-126	6.08	20	L641750-04	WG667381
Total Xylenes	mg/l	0.0719	0.0768	95.8	64-133	6.71	20	L641750-04	WG667381
4-Bromofluorobenzene				95.27	82-120				WG667381
Dibromofluoromethane				98.99	82-126				WG667381
Toluene-d8				99.73	92-112				WG667381
a,a,a-Trifluorotoluene				99.37	90-116				WG667381
Benzene	mg/l	0.0238	0.0234	95.0	51-134	1.56	20	L641631-10	WG666869
Ethylbenzene	mg/l	0.0251	0.0238	100.	64-135	5.44	20	L641631-10	WG666869
Toluene	mg/l	0.0229	0.0236	91.4	61-126	3.00	20	L641631-10	WG666869
Total Xylenes	mg/l	0.0767	0.0721	102.	64-133	6.25	20	L641631-10	WG666869
4-Bromofluorobenzene				101.6	82-120				WG666869
Dibromofluoromethane				102.5	82-126				WG666869
Toluene-d8				99.87	92-112				WG666869
a,a,a-Trifluorotoluene				100.3	90-116				WG666869
Benzene	mg/l	0.0244	0.0217	97.4	51-134	11.4	20	L641626-02	WG667986
Ethylbenzene	mg/l	0.0251	0.0227	100.	64-135	9.94	20	L641626-02	WG667986
Toluene	mg/l	0.0252	0.0240	101.	61-126	4.59	20	L641626-02	WG667986
Total Xylenes	mg/l	0.0757	0.0703	101.	64-133	7.48	20	L641626-02	WG667986
4-Bromofluorobenzene				97.93	82-120				WG667986
Dibromofluoromethane				102.9	82-126				WG667986
Toluene-d8				103.7	92-112				WG667986
a,a,a-Trifluorotoluene				105.8	90-116				WG667986

Batch number /Run number / Sample number cross reference

WG666865: R2712351: L641626-03 04 05
WG666918: R2713024: L641626-03
WG667381: R2714005: L641626-06
WG666869: R2714360: L641626-07 08 09 10 11 12 13
WG666919: R2716202: L641626-13
WG667054: R2716203: L641626-01 08 09 10 11 12
WG667986: R2717640: L641626-01 02

* * Calculations are performed prior to rounding of reported values.
* Performance of this Analyte is outside of established criteria.
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The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Plains All American Pipeline - Entech

21 Waterway Ave., Suite 300
The Woodlands, TX 77380

Billing information:

Accounts Payable
333 Clay St., Ste 1600
Houston, TX 77002

Analysis/Container/Preservative

D138



12065 Lebanon Road
Mt. Juliet, TN 37122

Phone: (800) 767-5859
Phone: (615) 758-5858
Fax: (615) 758-5859

Report to:

Kathleen Buxton

Email:

kathleen.buxton@entechservi

Project

Description: Vac to Jal#3

City/State
Collected

Phone: (979) 997-2338

FAX:

Client Project #:

PAA12013

Lab Project #

PLAINSENT-VAC3

Collected by (print):

Kathleen Buxton

Site/Facility ID#:

SRS - 2003-00117

P.O.#:

Collected by (signature):

Kat Buxton

Rush? (Lab MUST Be Notified)

___ Same Day 200%

___ Next Day 100%

___ Two Day 50%

___ Three Day 25%

Date Results Needed

Email? ___ No ___ Yes

FAX? ___ No ___ Yes

No.
of
Cntrs

PAHSIMLV1 40mlAmb-NoPres-WT

V8260BTEX 40mlAmb-HCI

Acctnum: **PLAINSENT** (lab use only)

Template/Prelogin **T86718/P429802**

Cooler #: **5-13 KCW**

Shipped Via: **FedEX Ground**

Remarks/Contaminant Sample # (lab only)

6641626-01

02

03

04

05

06

07

08

09

*Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other _____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Relinquished by: (Signature) <i>Kat Buxton</i>	Date: <i>6/15/13</i>	Time:	Received by: (Signature) <i>FedEx</i>	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐	Condition: <i>11/5</i> (lab use only)
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: <i>7.1</i> Bottles Received: <i>52</i>	COC Seal Intact: ___ Y ___ N ___ NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) <i>ME</i>	Date: <i>6/15/13</i> Time: <i>6:00</i>	pH Checked: <i>7.1</i> NO: <i>7.1</i>

**Plains All American Pipeline -
Entech**
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

Billing information:

Accounts Payable
333 Clay St., Ste 1600
Houston, TX 77002

Analysis/Container/Preservative

Chain of Custody

Page ____ of ____



12065 Lebanon Road
Mt. Juliet, TN 37122

Phone: (800) 767-5859
Phone: (615) 758-5858
Fax: (615) 758-5859

Report to: **Kathleen Buxton**
Email: **kathleen.buxton@entechservi**

Project Description: **Vac to Jal#3**
City/State Collected

Phone: (979) 997-2338
FAX:
Client Project #: **PAA12013**
Lab Project #: **PLAINSENT-VAC3**

Collected by (print): **Kathleen Buxton**
Site/Facility ID#: **SRS - 2003-00117**
P.O.#:

Collected by (signature): **Kat Buxton**
Immediately
Packed on Ice N ☐ Y ☒
Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%
Date Results Needed
Email? ☐ No ☒ Yes
FAX? ☐ No ☐ Yes
No. of Cntrs

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs
RW-2		GW		6/13/13	1032	24
RW-3		GW		6/12/13	1855	24
RW-4		GW		6/12/13	1915	24
RW-5		GW		6/12/13	1930	24
		GW				2
		GW				2
		GW				2
		GW				2
		GW				2
		GW				2

PAHSIMLV1 40mlAmb-NoPres-WT

V8260BTEX 40mlAmb-HCI

Accnum: **PLAINSENT** (lab use only)
Template/Prelogin: **T86718/P429802**
Cooler #: **5-13 KCW**
Shipped Via: **FedEX Ground**

Remarks/Contaminant Sample # (lab only)
6641626-10
11
12
13

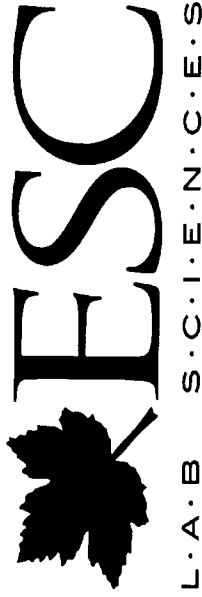
*Matrix: **SS** - Soil **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other _____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Relinquished by: (Signature) Kat Buxton	Date: 6/14/13	Time:	Received by: (Signature) FedEx	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐	Condition: (lab use only) M
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 70 Bottles Received: 42	COC Seal Intact: ☐ Y ☐ N ☐ NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) MA	Date: 6/15/13 Time: 8:20	pH Checked: X NCF: X



NON-CONFORMANCE FORM

Login No.: L641626

Date: 06/15/13

Evaluated by: Adam E

Client: PLAINSENT

Non-Conformance (check applicable items)

- ☐ Parameter(s) past holding time ☒ Login Clarification Needed
- ☐ Improper temperature ☐ Chain of custody is incomplete
- ☐ Improper container type ☐ Chain of Custody is missing (see below)
- ☐ Improper preservation ☐ Broken container(s) (See below)
- ☐ Container lid not intact ☐ Broken container: sufficient sample

volume remains for analysis requested (See below)

If no COC: Received by _____

Date: _____ Time: _____

Temp: _____ Cont. Rec. _____ pH: _____

☐ Fedex ☐ UPS ☐ SWA ☐ Other _____

Tracking # _____

- ☐ Insufficient packing material around container
- ☐ Insufficient packing material inside cooler
- ☐ Improper handling by carrier (FedEx / UPS / Courier
- ☐ Sample was frozen

Comments: Did not receive PAH vials for MW-2 or MW-7. Received PAH vials for MW-8, RW-1, RW-2, RW-3, RW-4 no analysis marked on COC

Login Instructions:

TSR Initials: MB

Client informed by call / email / fax / voice mail date: 6/17/13 time: 0945

Client contact: Kathleen Buxton

Disregard PAHs on MW-2 & MW-7

Run PAHSIMLVI on MW-8, RW-1, RW-2, RW-3, & RW-4



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Tax I.D. 62-0814289

Est. 1970

Kathleen Buxton
EnTech Consulting Corporation
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

Report Summary

Monday September 16, 2013

Report Number: L656792

Samples Received: 09/11/13

Client Project: PAA12013

Description: Vac to Jal#3

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,
FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016,
NC - ENV375/DW21704/B10041, ND - R-140, NJ - TN002, NJ NELAP - TN002,
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,
TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

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Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

September 16, 2013

Date Received : September 11, 2013
Description : Vac to Jal#3
Sample ID : MW 2
Collected By : Shane Diller
Collection Date : 09/10/13 15:15

ESC Sample # : L656792-01

Site ID : SRS - 2003-00117

Project # : PAA12013

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	09/13/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	09/13/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	09/13/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	09/13/13	1	
Surrogate Recovery									
Toluene-d8	101.				% Rec.	8260B	09/13/13	1	
Dibromofluoromethane	99.9				% Rec.	8260B	09/13/13	1	
a,a,a-Trifluorotoluene	100.				% Rec.	8260B	09/13/13	1	
4-Bromofluorobenzene	100.				% Rec.	8260B	09/13/13	1	

U = ND (Not Detected) = Less than SDL

Note:

The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

September 16, 2013

Date Received : September 11, 2013
Description : Vac to Jal#3

Sample ID : MW 4

Collected By : Shane Diller
Collection Date : 09/10/13 15:10

ESC Sample # : L656792-02

Site ID : SRS - 2003-00117

Project # : PAA12013

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	09/13/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	09/13/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	09/13/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	09/13/13	1	
Surrogate Recovery									
Toluene-d8	98.9				% Rec.	8260B	09/13/13	1	
Dibromofluoromethane	101.				% Rec.	8260B	09/13/13	1	
a,a,a-Trifluorotoluene	99.9				% Rec.	8260B	09/13/13	1	
4-Bromofluorobenzene	97.9				% Rec.	8260B	09/13/13	1	

U = ND (Not Detected) = Less than SDL

Note:

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

September 16, 2013

Date Received : September 11, 2013
Description : Vac to Jal#3
Sample ID : MW 5
Collected By : Shane Diller
Collection Date : 09/10/13 15:25

ESC Sample # : L656792-03

Site ID : SRS - 2003-00117

Project # : PAA12013

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	09/13/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	09/13/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	09/13/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	09/13/13	1	
Surrogate Recovery									
Toluene-d8	99.6				% Rec.	8260B	09/13/13	1	
Dibromofluoromethane	101.				% Rec.	8260B	09/13/13	1	
a,a,a-Trifluorotoluene	99.9				% Rec.	8260B	09/13/13	1	
4-Bromofluorobenzene	99.1				% Rec.	8260B	09/13/13	1	

U = ND (Not Detected) = Less than SDL

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

September 16, 2013

Date Received : September 11, 2013
Description : Vac to Jal#3
Sample ID : MW 6
Collected By : Shane Diller
Collection Date : 09/10/13 15:35

ESC Sample # : L656792-04

Site ID : SRS - 2003-00117

Project # : PAA12013

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	09/13/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	09/13/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	09/13/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	09/13/13	1	
Surrogate Recovery									
Toluene-d8	99.3				% Rec.	8260B	09/13/13	1	
Dibromofluoromethane	100.				% Rec.	8260B	09/13/13	1	
a,a,a-Trifluorotoluene	101.				% Rec.	8260B	09/13/13	1	
4-Bromofluorobenzene	102.				% Rec.	8260B	09/13/13	1	

U = ND (Not Detected) = Less than SDL

Note:

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

September 16, 2013

Date Received : September 11, 2013
Description : Vac to Jal#3
Sample ID : MW 7
Collected By : Shane Diller
Collection Date : 09/10/13 15:30

ESC Sample # : L656792-05

Site ID : SRS - 2003-00117

Project # : PAA12013

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	09/13/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	09/13/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	09/13/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	09/13/13	1	
Surrogate Recovery									
Toluene-d8	100.				% Rec.	8260B	09/13/13	1	
Dibromofluoromethane	101.				% Rec.	8260B	09/13/13	1	
a,a,a-Trifluorotoluene	102.				% Rec.	8260B	09/13/13	1	
4-Bromofluorobenzene	100.				% Rec.	8260B	09/13/13	1	

U = ND (Not Detected) = Less than SDL

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 09/16/13 15:17 Printed: 09/16/13 15:17



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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

September 16, 2013

Date Received : September 11, 2013
Description : Vac to Jal#3
Sample ID : MW 8
Collected By : Shane Diller
Collection Date : 09/10/13 15:20

ESC Sample # : L656792-06

Site ID : SRS - 2003-00117

Project # : PAA12013

Parameter	Result	MDL	SDL	ML	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	09/13/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	09/13/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	09/13/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	09/13/13	1	
Surrogate Recovery									
Toluene-d8	100.				% Rec.	8260B	09/13/13	1	
Dibromofluoromethane	100.				% Rec.	8260B	09/13/13	1	
a,a,a-Trifluorotoluene	100.				% Rec.	8260B	09/13/13	1	
4-Bromofluorobenzene	97.0				% Rec.	8260B	09/13/13	1	

U = ND (Not Detected) = Less than SDL

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 09/16/13 15:17 Printed: 09/16/13 15:17

Summary of Remarks For Samples Printed
09/16/13 at 15:17:53

TSR Signing Reports: 134
R5 - Desired TAT

Do not log for TS or QCTX, always log BTEXM by 8260

Sample: L656792-01 Account: PLAINSENT Received: 09/11/13 09:30 Due Date: 09/18/13 00:00 RPT Date: 09/16/13 15:17

Sample: L656792-02 Account: PLAINSENT Received: 09/11/13 09:30 Due Date: 09/18/13 00:00 RPT Date: 09/16/13 15:17

Sample: L656792-03 Account: PLAINSENT Received: 09/11/13 09:30 Due Date: 09/18/13 00:00 RPT Date: 09/16/13 15:17

Sample: L656792-04 Account: PLAINSENT Received: 09/11/13 09:30 Due Date: 09/18/13 00:00 RPT Date: 09/16/13 15:17

Sample: L656792-05 Account: PLAINSENT Received: 09/11/13 09:30 Due Date: 09/18/13 00:00 RPT Date: 09/16/13 15:17

Sample: L656792-06 Account: PLAINSENT Received: 09/11/13 09:30 Due Date: 09/18/13 00:00 RPT Date: 09/16/13 15:17



YOUR LAB OF CHOICE

EnTech Consulting Corporation
Kathleen Buxton
21 Waterway Ave., Suite 300

The Woodlands, TX 77380

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Mt. Juliet, TN 37122
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Fax (615) 758-5859

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Est. 1970

Quality Assurance Report
Level II

September 16, 2013

L656792

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Benzene	< .001	mg/l			WG681476	09/12/13 22:09
Ethylbenzene	< .001	mg/l			WG681476	09/12/13 22:09
Toluene	< .005	mg/l			WG681476	09/12/13 22:09
Total Xylenes	< .003	mg/l			WG681476	09/12/13 22:09
4-Bromofluorobenzene		% Rec.	97.40	71-126	WG681476	09/12/13 22:09
Dibromofluoromethane		% Rec.	103.0	78.3-121	WG681476	09/12/13 22:09
Toluene-d8		% Rec.	99.30	88.5-111	WG681476	09/12/13 22:09
a,a,a-Trifluorotoluene		% Rec.	100.0	85-114	WG681476	09/12/13 22:09

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Benzene	mg/l	.025	0.0260	104.	74.8-121	WG681476
Ethylbenzene	mg/l	.025	0.0273	109.	78.8-122	WG681476
Toluene	mg/l	.025	0.0257	103.	79.7-116	WG681476
Total Xylenes	mg/l	.075	0.0795	106.	78.7-121	WG681476
4-Bromofluorobenzene				103.0	71-126	WG681476
Dibromofluoromethane				101.0	78.3-121	WG681476
Toluene-d8				98.70	88.5-111	WG681476
a,a,a-Trifluorotoluene				100.0	85-114	WG681476

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Benzene	mg/l	0.0258	0.0260	103.	74.8-121	1.01	20	WG681476
Ethylbenzene	mg/l	0.0274	0.0273	110.	78.8-122	0.320	20	WG681476
Toluene	mg/l	0.0257	0.0257	103.	79.7-116	0.240	20	WG681476
Total Xylenes	mg/l	0.0811	0.0795	108.	78.7-121	2.00	20	WG681476
4-Bromofluorobenzene				103.0	71-126			WG681476
Dibromofluoromethane				101.0	78.3-121			WG681476
Toluene-d8				99.70	88.5-111			WG681476
a,a,a-Trifluorotoluene				99.10	85-114			WG681476

Analyte	Units	Matrix Spike			% Rec	Limit	Ref Samp	Batch
		MS Res	Ref Res	TV				
Benzene	mg/l	0.0227	0.0	.025	91.0	54.3-133	L656534-04	WG681476
Ethylbenzene	mg/l	0.0258	0.0	.025	100.	61.4-133	L656534-04	WG681476
Toluene	mg/l	0.0238	0.0	.025	95.0	61.4-130	L656534-04	WG681476
Total Xylenes	mg/l	0.0764	0.0	.075	100.	63.3-131	L656534-04	WG681476
4-Bromofluorobenzene					101.0	71-126		WG681476
Dibromofluoromethane					98.80	78.3-121		WG681476
Toluene-d8					100.0	88.5-111		WG681476
a,a,a-Trifluorotoluene					99.80	85-114		WG681476

Analyte	Units	Matrix Spike Duplicate			Limit	RPD	Limit	Ref Samp	Batch
		MSD	Ref	%Rec					
Benzene	mg/l	0.0230	0.0227	92.0	54.3-133	1.17	20	L656534-04	WG681476
Ethylbenzene	mg/l	0.0258	0.0258	103.	61.4-133	0.0800	20	L656534-04	WG681476
Toluene	mg/l	0.0238	0.0238	95.2	61.4-130	0.250	20	L656534-04	WG681476
Total Xylenes	mg/l	0.0782	0.0764	104.	63.3-131	2.21	20	L656534-04	WG681476
4-Bromofluorobenzene				96.00	71-126				WG681476
Dibromofluoromethane				97.60	78.3-121				WG681476
Toluene-d8				98.00	88.5-111				WG681476
a,a,a-Trifluorotoluene				97.70	85-114				WG681476

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



YOUR LAB OF CHOICE

EnTech Consulting Corporation
Kathleen Buxton
21 Waterway Ave., Suite 300

The Woodlands, TX 77380

Quality Assurance Report
Level II

L656792

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

September 16, 2013

Batch number /Run number / Sample number cross reference

WG681476: R2816300: L656792-01 02 03 04 05 06

* * Calculations are performed prior to rounding of reported values.

* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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September 16, 2013

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

21 Waterway Ave., Suite 300
The Woodlands, TX 77380

Accounts Payable
333 Clay St., Ste 1600
Houston, TX 77002

Report to:
Kathleen Buxton

Email To: kathleen.buxton@entechservice.com

Project
Description: **Vac to Jal#3**

City/State
Collected: *Eunice NM*

Phone: **979-997-2338**
Fax:

Client Project #
PAA12013

Lab Project #
PLAINSENT-VAC3

Collected by (print):
SHANE DILLER

Site/Facility ID #
SRS - 2003-00117

P.O. #	
--------	--

Collected by (signature):

Rush? (Lab MUST Be Notified)

_____ Same Day	200%
_____ Next Day	100%
_____ Two Day	50%
_____ Three Day	25%

Date Results Needed

Email? ☐ No ☒ Yes
FAX? ☐ No ☐ Yes

[illegible]

Immediately
Packed on Ice N ☐ Y ☒

[illegible]

* Matrix: **SS** - Soil **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other_____

Remarks:

5704 6057 2374

pH _____ Temp _____

Flow _____ Other _____

Hold #

Relinquished by : (Signature)

Date: 9-10-13

Time: 1730

Received by: (Signature)

Samples returned via: ☐ UPS

☐ FedEx ☐ Courier ☐ _____

Condition:	(lab use only)
------------	----------------

Relinquished by : (Signature)

Date:

Time:

Received by: (Signature)

Temp: °C Bottles Received:

4 COC Seal Intact: ☒ Y ☐ N ☐ NA

Relinquished by : (Signature)

Date:

Time:

Received for lab by: (Signature)

Date:	Time:
-------	-------

pH Checked:	NCF:
-------------	------



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Kathleen Buxton
EnTech Consulting Corporation
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

Report Summary

Thursday December 19, 2013

Report Number: L674081

Samples Received: 12/14/13

Client Project: PAA12013

Description: Vac to Jal#3

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,
FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016,
NC - ENV375/DW21704/B10041, ND - R-140, NJ - TN002, NJ NELAP - TN002,
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,
TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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REPORT OF ANALYSIS

Kathleen Buxton
EnTech Consulting Corporation
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

December 19, 2013

Date Received : December 14, 2013
Description : Vac to Jal#3

Sample ID : MW 2

Collected By : Shane Diller
Collection Date : 12/11/13 15:30

ESC Sample # : L674081-01

Site ID : SRS - 2003-00117

Project # : PAA12013

Parameter	Result	MDL	SDL	ML	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	12/18/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	12/18/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	12/18/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	12/18/13	1	
Surrogate Recovery									
Toluene-d8	101.				% Rec.	8260B	12/18/13	1	
Dibromofluoromethane	114.				% Rec.	8260B	12/18/13	1	
a,a,a-Trifluorotoluene	106.				% Rec.	8260B	12/18/13	1	
4-Bromofluorobenzene	116.				% Rec.	8260B	12/18/13	1	

U = ND (Not Detected) = Less than SDL

Note:

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Kathleen Buxton
EnTech Consulting Corporation
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

December 19, 2013

Date Received : December 14, 2013
Description : Vac to Jal#3

Sample ID : MW 4

Collected By : Shane Diller
Collection Date : 12/11/13 15:35

ESC Sample # : L674081-02

Site ID : SRS - 2003-00117

Project # : PAA12013

Parameter	Result	MDL	SDL	MLQ	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	12/18/13	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	12/18/13	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	12/18/13	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	12/18/13	1
Surrogate Recovery									
Toluene-d8	102.				% Rec.		8260B	12/18/13	1
Dibromofluoromethane	114.				% Rec.		8260B	12/18/13	1
a,a,a-Trifluorotoluene	107.				% Rec.		8260B	12/18/13	1
4-Bromofluorobenzene	118.				% Rec.		8260B	12/18/13	1

U = ND (Not Detected) = Less than SDL

Note:

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21 Waterway Ave., Suite 300
The Woodlands, TX 77380

December 19, 2013

Date Received : December 14, 2013
Description : Vac to Jal#3

Sample ID : MW 5

Collected By : Shane Diller
Collection Date : 12/11/13 15:55

ESC Sample # : L674081-03

Site ID : SRS - 2003-00117

Project # : PAA12013

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	12/18/13	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	12/18/13	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	12/18/13	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	12/18/13	1
Surrogate Recovery									
Toluene-d8	103.				% Rec.		8260B	12/18/13	1
Dibromofluoromethane	119.				% Rec.		8260B	12/18/13	1
a,a,a-Trifluorotoluene	109.				% Rec.		8260B	12/18/13	1
4-Bromofluorobenzene	116.				% Rec.		8260B	12/18/13	1

U = ND (Not Detected) = Less than SDL

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December 19, 2013

Date Received : December 14, 2013
Description : Vac to Jal#3

Sample ID : MW 6

Collected By : Shane Diller
Collection Date : 12/11/13 15:40

ESC Sample # : L674081-04

Site ID : SRS - 2003-00117

Project # : PAA12013

Parameter	Result	MDL	SDL	ML	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	12/18/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	12/18/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	12/18/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	12/18/13	1	
Surrogate Recovery									
Toluene-d8	102.				% Rec.	8260B	12/18/13	1	
Dibromofluoromethane	116.				% Rec.	8260B	12/18/13	1	
a,a,a-Trifluorotoluene	105.				% Rec.	8260B	12/18/13	1	
4-Bromofluorobenzene	117.				% Rec.	8260B	12/18/13	1	

U = ND (Not Detected) = Less than SDL

Note:

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REPORT OF ANALYSIS

Kathleen Buxton
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December 19, 2013

Date Received : December 14, 2013
Description : Vac to Jal#3

Sample ID : MW 7

Collected By : Shane Diller
Collection Date : 12/11/13 16:00

ESC Sample # : L674081-05

Site ID : SRS - 2003-00117

Project # : PAA12013

Parameter	Result	MDL	SDL	ML	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	12/18/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	12/18/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	12/18/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	12/18/13	1	
Surrogate Recovery									
Toluene-d8	102.				% Rec.	8260B	12/18/13	1	
Dibromofluoromethane	116.				% Rec.	8260B	12/18/13	1	
a,a,a-Trifluorotoluene	106.				% Rec.	8260B	12/18/13	1	
4-Bromofluorobenzene	120.				% Rec.	8260B	12/18/13	1	

U = ND (Not Detected) = Less than SDL

Note:

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REPORT OF ANALYSIS

Kathleen Buxton
EnTech Consulting Corporation
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

December 19, 2013

Date Received : December 14, 2013
Description : Vac to Jal#3

Sample ID : MW 8

Collected By : Shane Diller
Collection Date : 12/11/13 15:45

ESC Sample # : L674081-06

Site ID : SRS - 2003-00117

Project # : PAA12013

Parameter	Result	MDL	SDL	ML	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	12/18/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	12/18/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	12/18/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	12/18/13	1	
Surrogate Recovery									
Toluene-d8	101.				% Rec.	8260B	12/18/13	1	
Dibromofluoromethane	112.				% Rec.	8260B	12/18/13	1	
a,a,a-Trifluorotoluene	103.				% Rec.	8260B	12/18/13	1	
4-Bromofluorobenzene	113.				% Rec.	8260B	12/18/13	1	

U = ND (Not Detected) = Less than SDL

Note:

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REPORT OF ANALYSIS

Kathleen Buxton
EnTech Consulting Corporation
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

December 19, 2013

Date Received : December 14, 2013
Description : Vac to Jal#3

Sample ID : MW 9

Collected By : Shane Diller
Collection Date : 12/11/13 15:50

ESC Sample # : L674081-07

Site ID : SRS - 2003-00117

Project # : PAA12013

Parameter	Result	MDL	SDL	MLQ	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	12/18/13	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	12/18/13	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	12/18/13	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	12/18/13	1
Surrogate Recovery									
Toluene-d8	99.2				% Rec.		8260B	12/18/13	1
Dibromofluoromethane	115.				% Rec.		8260B	12/18/13	1
a,a,a-Trifluorotoluene	104.				% Rec.		8260B	12/18/13	1
4-Bromofluorobenzene	114.				% Rec.		8260B	12/18/13	1

U = ND (Not Detected) = Less than SDL

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 12/19/13 12:00 Printed: 12/19/13 12:00

Summary of Remarks For Samples Printed
12/19/13 at 12:00:51

TSR Signing Reports: 134
R5 - Desired TAT

Do not log for TS or QCTX, always log BTEXM by 8260

Sample: L674081-01 Account: PLAINSENT Received: 12/14/13 12:00 Due Date: 12/20/13 00:00 RPT Date: 12/19/13 12:00

Sample: L674081-02 Account: PLAINSENT Received: 12/14/13 12:00 Due Date: 12/20/13 00:00 RPT Date: 12/19/13 12:00

Sample: L674081-03 Account: PLAINSENT Received: 12/14/13 12:00 Due Date: 12/20/13 00:00 RPT Date: 12/19/13 12:00

Sample: L674081-04 Account: PLAINSENT Received: 12/14/13 12:00 Due Date: 12/20/13 00:00 RPT Date: 12/19/13 12:00

Sample: L674081-05 Account: PLAINSENT Received: 12/14/13 12:00 Due Date: 12/20/13 00:00 RPT Date: 12/19/13 12:00

Sample: L674081-06 Account: PLAINSENT Received: 12/14/13 12:00 Due Date: 12/20/13 00:00 RPT Date: 12/19/13 12:00

Sample: L674081-07 Account: PLAINSENT Received: 12/14/13 12:00 Due Date: 12/20/13 00:00 RPT Date: 12/19/13 12:00



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EnTech Consulting Corporation
Kathleen Buxton
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Est. 1970

Quality Assurance Report
Level II

December 19, 2013

L674081

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Benzene	< .001	mg/l			WG697365	12/18/13 12:09
Ethylbenzene	< .001	mg/l			WG697365	12/18/13 12:09
Toluene	< .005	mg/l			WG697365	12/18/13 12:09
Total Xylenes	< .003	mg/l			WG697365	12/18/13 12:09
4-Bromofluorobenzene		% Rec.	115.0	71-126	WG697365	12/18/13 12:09
Dibromofluoromethane		% Rec.	112.0	78.3-121	WG697365	12/18/13 12:09
Toluene-d8		% Rec.	102.0	88.5-111	WG697365	12/18/13 12:09
a,a,a-Trifluorotoluene		% Rec.	107.0	85-114	WG697365	12/18/13 12:09

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Benzene	mg/l	.025	0.0258	103.	74.8-121	WG697365
Ethylbenzene	mg/l	.025	0.0285	114.	78.8-122	WG697365
Toluene	mg/l	.025	0.0221	88.6	79.7-116	WG697365
Total Xylenes	mg/l	.075	0.0862	115.	78.7-121	WG697365
4-Bromofluorobenzene				109.0	71-126	WG697365
Dibromofluoromethane				109.0	78.3-121	WG697365
Toluene-d8				92.40	88.5-111	WG697365
a,a,a-Trifluorotoluene				93.80	85-114	WG697365

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Benzene	mg/l	0.0247	0.0258	99.0	74.8-121	4.38	20	WG697365
Ethylbenzene	mg/l	0.0265	0.0285	106.	78.8-122	7.24	20	WG697365
Toluene	mg/l	0.0213	0.0221	85.0	79.7-116	4.13	20	WG697365
Total Xylenes	mg/l	0.0798	0.0862	106.	78.7-121	7.74	20	WG697365
4-Bromofluorobenzene				107.0	71-126			WG697365
Dibromofluoromethane				112.0	78.3-121			WG697365
Toluene-d8				94.30	88.5-111			WG697365
a,a,a-Trifluorotoluene				97.60	85-114			WG697365

Analyte	Units	Matrix Spike			% Rec	Limit	Ref Samp	Batch
		MS Res	Ref Res	TV				
Benzene	mg/l	0.0266	0.0	.025	110.	54.3-133	L674081-01	WG697365
Ethylbenzene	mg/l	0.0306	0.0	.025	120.	61.4-133	L674081-01	WG697365
Toluene	mg/l	0.0237	0.0	.025	95.0	61.4-130	L674081-01	WG697365
Total Xylenes	mg/l	0.0924	0.0	.075	120.	63.3-131	L674081-01	WG697365
4-Bromofluorobenzene					115.0	71-126		WG697365
Dibromofluoromethane					111.0	78.3-121		WG697365
Toluene-d8					97.30	88.5-111		WG697365
a,a,a-Trifluorotoluene					106.0	85-114		WG697365

Analyte	Units	Matrix Spike Duplicate			Limit	RPD	Limit	Ref Samp	Batch
		MSD	Ref	%Rec					
Benzene	mg/l	0.0247	0.0266	98.7	54.3-133	7.48	20	L674081-01	WG697365
Ethylbenzene	mg/l	0.0278	0.0306	111.	61.4-133	9.44	20	L674081-01	WG697365
Toluene	mg/l	0.0232	0.0237	92.8	61.4-130	2.12	20	L674081-01	WG697365
Total Xylenes	mg/l	0.0863	0.0924	115.	63.3-131	6.86	20	L674081-01	WG697365
4-Bromofluorobenzene				117.0	71-126				WG697365
Dibromofluoromethane				115.0	78.3-121				WG697365
Toluene-d8				102.0	88.5-111				WG697365
a,a,a-Trifluorotoluene				109.0	85-114				WG697365

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



YOUR LAB OF CHOICE

EnTech Consulting Corporation
Kathleen Buxton
21 Waterway Ave., Suite 300

The Woodlands, TX 77380

Quality Assurance Report
Level II

L674081

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

December 19, 2013

Batch number /Run number / Sample number cross reference

WG697365: R2869721: L674081-01 02 03 04 05 06 07

* * Calculations are performed prior to rounding of reported values.

* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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December 19, 2013

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Plains All American Pipeline - Entech

21 Waterway Ave., Suite 300
The Woodlands, TX 77380

Billing Information:

Accounts Payable
333 Clay St., Ste 1600
Houston, TX 77002

Report to:

Kathleen Buxton

Email To: kathleen.buxton@entechservice.com

Project

Description: Vac to Jal#3

City/State

Collected:

Phone: 979-997-2338

Fax:

Client Project #

PAA12013

Lab Project #

PLAINSENT-VAC3

Collected by (print):

Kathleen Buxton

Site/Facility ID #

SRS - 2003-00117

P.O. #

Collected by (signature):

Kathleen Buxton

Rush? (Lab MUST Be Notified)

Same Day200%
Next Day100%
Two Day50%
Three Day25%

Date Results Needed

Email? ☐ No ☒ Yes

FAX? ☐ No ☐ Yes

No. of

Immediately
Packed on Ice N ☐ Y ☒

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	V8260BTEX 40mlAmb-HCl	V8260BTEX 40zClr-NoPres												
RW-9 (35-40)		SS	35-40	11-6-13	1335	1		X												
RW-9 (40-45)		SS	40-45	11-6-13	1340	1		X												
IW-1 (10-15)		SS	10-15	11-6-13	1415	1		X												
IW-1 (15-20)		SS	15-20	11-6-13	1420	1		X												
IW-1 (30-35)		SS	30-35	11-6-13	1445	1		X												
IW-2 (40-45)		SS	40-45	11-7-13	1015	1		X												
IW-3 (40-45)		SS	40-45	11-7-13	1005	1		X												
IW-3 (45-50)		SS	45-50	11-7-13	1010	1		X												
IW-3 (50-55)		SS	50-55	11-7-13	1015	1		X												
End of list		SS				1		X												

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Hold #

Relinquished by: (Signature)

Kathleen Buxton

Date:

11/8/13

Time:

1330

Received by: (Signature)

Feder

Samples returned via: ☐ UPS

☒ FedEx ☐ Courier ☐ _____

Condition: (lab use only)

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: _____ °C Bottles Received:

2.8 9 + 170

COC Seal Intact: ☐ Y ☐ N ☐ NA

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date:

11/9/13

Time:

0900

pH Checked:

NCF:



YOUR LAB OF CHOICE

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859



L# L667899

C146

Acctnum: PLAINSENT

Template: T90247

Prelogin: P448571

TSR: 134 - Mark W. Beasley

PB: 1118

Shipped Via: FedEx Priority

Rem./Contaminant Sample # (lab only)

-01

02

03

04

05

06

07

08

09



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Kathleen Buxton
EnTech Consulting Corporation
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

Report Summary

Friday January 10, 2014

Report Number: L667899

Samples Received: 11/09/13

Client Project: PAA12013

Description: Vac to Jal#3

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,
FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016,
NC - ENV375/DW21704/B10041, ND - R-140, NJ - TN002, NJ NELAP - TN002,
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,
TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

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Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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REPORT OF ANALYSIS

Kathleen Buxton
EnTech Consulting Corporation
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

January 10, 2014

Date Received : November 09, 2013
Description : Vac to Jal#3

Sample ID : MW-9 35-40FT

Collected By : Kathleen Buxton
Collection Date : 11/06/13 13:35

ESC Sample # : L667899-01

Site ID : SRS - 2003-00117

Project # : PAA12013

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00027	0.0014	0.0050	mg/kg		8260B	11/13/13	5
Toluene	U	0.00043	0.0022	0.025	mg/kg		8260B	11/13/13	5
Ethylbenzene	U	0.00030	0.0015	0.0050	mg/kg		8260B	11/13/13	5
Total Xylenes	U	0.00070	0.0035	0.015	mg/kg		8260B	11/13/13	5
Surrogate Recovery									
Toluene-d8	102.				% Rec.		8260B	11/13/13	5
Dibromofluoromethane	102.				% Rec.		8260B	11/13/13	5
a,a,a-Trifluorotoluene	107.				% Rec.		8260B	11/13/13	5
4-Bromofluorobenzene	99.8				% Rec.		8260B	11/13/13	5

U = ND (Not Detected) = Less than SDL

Note:

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REPORT OF ANALYSIS

Kathleen Buxton
EnTech Consulting Corporation
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

January 10, 2014

Date Received : November 09, 2013
Description : Vac to Jal#3

Sample ID : MW-9 40-45FT

Collected By : Kathleen Buxton
Collection Date : 11/06/13 13:40

ESC Sample # : L667899-02

Site ID : SRS - 2003-00117

Project # : PAA12013

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00027	0.0014	0.0050	mg/kg		8260B	11/13/13	5
Toluene	U	0.00043	0.0022	0.025	mg/kg		8260B	11/13/13	5
Ethylbenzene	U	0.00030	0.0015	0.0050	mg/kg		8260B	11/13/13	5
Total Xylenes	U	0.00070	0.0035	0.015	mg/kg		8260B	11/13/13	5
Surrogate Recovery									
Toluene-d8	102.				% Rec.		8260B	11/13/13	5
Dibromofluoromethane	102.				% Rec.		8260B	11/13/13	5
a,a,a-Trifluorotoluene	108.				% Rec.		8260B	11/13/13	5
4-Bromofluorobenzene	100.				% Rec.		8260B	11/13/13	5

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Kathleen Buxton
EnTech Consulting Corporation
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

January 10, 2014

Date Received : November 09, 2013
Description : Vac to Jal#3

Sample ID : IW-1 10-15FT

Collected By : Kathleen Buxton
Collection Date : 11/06/13 14:15

ESC Sample # : L667899-03

Site ID : SRS - 2003-00117

Project # : PAA12013

Parameter	Result	MDL	SDL	ML	Units	Qual	Method	Date	Dil.
Benzene	U	0.00027	0.0068	0.025	mg/kg	8260B	11/13/13	25	
Toluene	U	0.00043	0.011	0.13	mg/kg	8260B	11/13/13	25	
Ethylbenzene	0.16	0.00030	0.0074	0.025	mg/kg	8260B	11/13/13	25	
Total Xylenes	0.50	0.00070	0.017	0.075	mg/kg	8260B	11/13/13	25	
Surrogate Recovery									
Toluene-d8	107.				% Rec.	8260B	11/13/13	25	
Dibromofluoromethane	97.1				% Rec.	8260B	11/13/13	25	
a,a,a-Trifluorotoluene	113.				% Rec.	8260B	11/13/13	25	
4-Bromofluorobenzene	158.				% Rec.	J1 8260B	11/13/13	25	

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Kathleen Buxton
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21 Waterway Ave., Suite 300
The Woodlands, TX 77380

January 10, 2014

Date Received : November 09, 2013
Description : Vac to Jal#3

Sample ID : IW-1 15-20FT

Collected By : Kathleen Buxton
Collection Date : 11/06/13 14:20

ESC Sample # : L667899-04

Site ID : SRS - 2003-00117

Project # : PAA12013

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	0.73	0.00027	0.068	0.25	mg/kg	8260B	11/14/13	250	
Toluene	2.6	0.00043	0.11	1.3	mg/kg	8260B	11/14/13	250	
Ethylbenzene	18.	0.00030	0.074	0.25	mg/kg	8260B	11/14/13	250	
Total Xylenes	44.	0.00070	0.17	0.75	mg/kg	8260B	11/14/13	250	
Surrogate Recovery									
Toluene-d8	103.				% Rec.	8260B	11/14/13	250	
Dibromofluoromethane	99.9				% Rec.	8260B	11/14/13	250	
a,a,a-Trifluorotoluene	104.				% Rec.	8260B	11/14/13	250	
4-Bromofluorobenzene	106.				% Rec.	8260B	11/14/13	250	

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REPORT OF ANALYSIS

Kathleen Buxton
EnTech Consulting Corporation
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

January 10, 2014

Date Received : November 09, 2013
Description : Vac to Jal#3

Sample ID : IW-1 30-35FT

Collected By : Kathleen Buxton
Collection Date : 11/06/13 14:45

ESC Sample # : L667899-05

Site ID : SRS - 2003-00117

Project # : PAA12013

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	0.75	0.00027	0.054	0.20	mg/kg	8260B	11/13/13	200	
Toluene	2.8	0.00043	0.087	1.0	mg/kg	8260B	11/13/13	200	
Ethylbenzene	11.	0.00030	0.059	0.20	mg/kg	8260B	11/13/13	200	
Total Xylenes	32.	0.00070	0.14	0.60	mg/kg	8260B	11/13/13	200	
Surrogate Recovery									
Toluene-d8	108.				% Rec.	8260B	11/13/13	200	
Dibromofluoromethane	110.				% Rec.	8260B	11/13/13	200	
a,a,a-Trifluorotoluene	100.				% Rec.	8260B	11/13/13	200	
4-Bromofluorobenzene	105.				% Rec.	8260B	11/13/13	200	

U = ND (Not Detected) = Less than SDL

Note:

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REPORT OF ANALYSIS

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The Woodlands, TX 77380

January 10, 2014

Date Received : November 09, 2013
Description : Vac to Jal#3

Sample ID : IW-2 40-45FT

Collected By : Kathleen Buxton
Collection Date : 11/07/13 10:15

ESC Sample # : L667899-06

Site ID : SRS - 2003-00117

Project # : PAA12013

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00027	0.0014	0.0050	mg/kg		8260B	11/13/13	5
Toluene	U	0.00043	0.0022	0.025	mg/kg		8260B	11/13/13	5
Ethylbenzene	U	0.00030	0.0015	0.0050	mg/kg		8260B	11/13/13	5
Total Xylenes	U	0.00070	0.0035	0.015	mg/kg		8260B	11/13/13	5
Surrogate Recovery									
Toluene-d8	105.				% Rec.		8260B	11/13/13	5
Dibromofluoromethane	111.				% Rec.		8260B	11/13/13	5
a,a,a-Trifluorotoluene	102.				% Rec.		8260B	11/13/13	5
4-Bromofluorobenzene	100.				% Rec.		8260B	11/13/13	5

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Note:

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REPORT OF ANALYSIS

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21 Waterway Ave., Suite 300
The Woodlands, TX 77380

January 10, 2014

Date Received : November 09, 2013
Description : Vac to Jal#3

Sample ID : IW-3 40-45FT

Collected By : Kathleen Buxton
Collection Date : 11/07/13 10:05

ESC Sample # : L667899-07

Site ID : SRS - 2003-00117

Project # : PAA12013

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	0.0093	0.00027	0.0068	0.025	mg/kg	J	8260B	11/13/13	25
Toluene	0.24	0.00043	0.011	0.13	mg/kg		8260B	11/13/13	25
Ethylbenzene	0.69	0.00030	0.0074	0.025	mg/kg		8260B	11/13/13	25
Total Xylenes	1.7	0.00070	0.017	0.075	mg/kg		8260B	11/13/13	25
Surrogate Recovery									
Toluene-d8	106.				% Rec.		8260B	11/13/13	25
Dibromofluoromethane	108.				% Rec.		8260B	11/13/13	25
a,a,a-Trifluorotoluene	100.				% Rec.		8260B	11/13/13	25
4-Bromofluorobenzene	108.				% Rec.		8260B	11/13/13	25

U = ND (Not Detected) = Less than SDL

Note:

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REPORT OF ANALYSIS

Kathleen Buxton
EnTech Consulting Corporation
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

January 10, 2014

Date Received : November 09, 2013
Description : Vac to Jal#3

Sample ID : IW-3 45-50FT

Collected By : Kathleen Buxton
Collection Date : 11/07/13 10:10

ESC Sample # : L667899-08

Site ID : SRS - 2003-00117

Project # : PAA12013

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	0.16	0.00027	0.0068	0.025	mg/kg	8260B	11/13/13	25	
Toluene	1.0	0.00043	0.011	0.13	mg/kg	8260B	11/13/13	25	
Ethylbenzene	1.9	0.00030	0.0074	0.025	mg/kg	8260B	11/13/13	25	
Total Xylenes	4.3	0.00070	0.017	0.075	mg/kg	8260B	11/13/13	25	
Surrogate Recovery									
Toluene-d8	108.				% Rec.	8260B	11/13/13	25	
Dibromofluoromethane	106.				% Rec.	8260B	11/13/13	25	
a,a,a-Trifluorotoluene	98.6				% Rec.	8260B	11/13/13	25	
4-Bromofluorobenzene	108.				% Rec.	8260B	11/13/13	25	

U = ND (Not Detected) = Less than SDL

Note:

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REPORT OF ANALYSIS

Kathleen Buxton
EnTech Consulting Corporation
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

January 10, 2014

Date Received : November 09, 2013
Description : Vac to Jal#3

Sample ID : IW-3 50-55FT

Collected By : Kathleen Buxton
Collection Date : 11/07/13 10:45

ESC Sample # : L667899-09

Site ID : SRS - 2003-00117

Project # : PAA12013

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00027	0.0068	0.025	mg/kg		8260B	11/14/13	25
Toluene	0.032	0.00043	0.011	0.13	mg/kg	J	8260B	11/14/13	25
Ethylbenzene	0.28	0.00030	0.0074	0.025	mg/kg		8260B	11/14/13	25
Total Xylenes	0.66	0.00070	0.017	0.075	mg/kg		8260B	11/14/13	25
Surrogate Recovery									
Toluene-d8	103.				% Rec.		8260B	11/14/13	25
Dibromofluoromethane	95.0				% Rec.		8260B	11/14/13	25
a,a,a-Trifluorotoluene	103.				% Rec.		8260B	11/14/13	25
4-Bromofluorobenzene	99.6				% Rec.		8260B	11/14/13	25

U = ND (Not Detected) = Less than SDL

Note:

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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L667899-03	WG691655	SAMP	4-Bromofluorobenzene	R2853742	J1
L667899-07	WG691656	SAMP	Benzene	R2853400	J
L667899-09	WG692261	SAMP	Toluene	R2854301	J

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.



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Tax I.D. 62-0814289

Est. 1970

Quality Assurance Report
Level II

January 10, 2014

L667899

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Benzene	< .001	mg/kg			WG691656	11/13/13 12:14
Ethylbenzene	< .001	mg/kg			WG691656	11/13/13 12:14
Toluene	< .005	mg/kg			WG691656	11/13/13 12:14
Total Xylenes	< .003	mg/kg			WG691656	11/13/13 12:14
4-Bromofluorobenzene		% Rec.	102.0	71-126	WG691656	11/13/13 12:14
Dibromofluoromethane		% Rec.	111.0	78.3-121	WG691656	11/13/13 12:14
Toluene-d8		% Rec.	105.0	88.5-111	WG691656	11/13/13 12:14
a,a,a-Trifluorotoluene		% Rec.	102.0	85-114	WG691656	11/13/13 12:14
Benzene	< .001	mg/kg			WG691655	11/13/13 14:23
Ethylbenzene	< .001	mg/kg			WG691655	11/13/13 14:23
Toluene	< .005	mg/kg			WG691655	11/13/13 14:23
Total Xylenes	< .003	mg/kg			WG691655	11/13/13 14:23
4-Bromofluorobenzene		% Rec.	100.0	71-126	WG691655	11/13/13 14:23
Dibromofluoromethane		% Rec.	101.0	78.3-121	WG691655	11/13/13 14:23
Toluene-d8		% Rec.	102.0	88.5-111	WG691655	11/13/13 14:23
a,a,a-Trifluorotoluene		% Rec.	110.0	85-114	WG691655	11/13/13 14:23
Benzene	< .001	mg/kg			WG692261	11/14/13 12:19
Ethylbenzene	< .001	mg/kg			WG692261	11/14/13 12:19
Toluene	< .005	mg/kg			WG692261	11/14/13 12:19
Total Xylenes	< .003	mg/kg			WG692261	11/14/13 12:19
4-Bromofluorobenzene		% Rec.	97.60	71-126	WG692261	11/14/13 12:19
Dibromofluoromethane		% Rec.	109.0	78.3-121	WG692261	11/14/13 12:19
Toluene-d8		% Rec.	102.0	88.5-111	WG692261	11/14/13 12:19
a,a,a-Trifluorotoluene		% Rec.	101.0	85-114	WG692261	11/14/13 12:19
Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Benzene	mg/kg	.025	0.0258	103.	77.1-121	WG691656
Ethylbenzene	mg/kg	.025	0.0237	94.9	79.7-122	WG691656
Toluene	mg/kg	.025	0.0240	96.0	79.7-118	WG691656
Total Xylenes	mg/kg	.075	0.0695	92.7	78.8-121	WG691656
4-Bromofluorobenzene				102.0	71-126	WG691656
Dibromofluoromethane				111.0	78.3-121	WG691656
Toluene-d8				105.0	88.5-111	WG691656
a,a,a-Trifluorotoluene				102.0	85-114	WG691656
Benzene	mg/kg	.025	0.0272	109.	77.1-121	WG691655
Ethylbenzene	mg/kg	.025	0.0232	92.7	79.7-122	WG691655
Toluene	mg/kg	.025	0.0250	100.	79.7-118	WG691655
Total Xylenes	mg/kg	.075	0.0688	91.7	78.8-121	WG691655
4-Bromofluorobenzene				95.50	71-126	WG691655
Dibromofluoromethane				104.0	78.3-121	WG691655
Toluene-d8				101.0	88.5-111	WG691655
a,a,a-Trifluorotoluene				107.0	85-114	WG691655
Benzene	mg/kg	.025	0.0234	93.6	77.1-121	WG692261
Ethylbenzene	mg/kg	.025	0.0222	89.0	79.7-122	WG692261
Toluene	mg/kg	.025	0.0222	88.9	79.7-118	WG692261
Total Xylenes	mg/kg	.075	0.0673	89.7	78.8-121	WG692261
4-Bromofluorobenzene				96.00	71-126	WG692261
Dibromofluoromethane				105.0	78.3-121	WG692261
Toluene-d8				102.0	88.5-111	WG692261

* Performance of this Analyte is outside of established criteria.

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Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch	
		Result	Ref	%Rec					
a,a,a-Trifluorotoluene					103.0	85-114			
Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch	
		Result	Ref	%Rec					
Benzene	mg/kg	0.0248	0.0258	99.0	77.1-121	4.14	20	WG691656	
Ethylbenzene	mg/kg	0.0222	0.0237	89.0	79.7-122	6.88	20	WG691656	
Toluene	mg/kg	0.0228	0.0240	91.0	79.7-118	5.17	20	WG691656	
Total Xylenes	mg/kg	0.0659	0.0695	88.0	78.8-121	5.31	20	WG691656	
4-Bromofluorobenzene				102.0	71-126			WG691656	
Dibromofluoromethane				110.0	78.3-121			WG691656	
Toluene-d8				105.0	88.5-111			WG691656	
a,a,a-Trifluorotoluene				101.0	85-114			WG691656	
Benzene	mg/kg	0.0241	0.0272	96.0	77.1-121	12.0	20	WG691655	
Ethylbenzene	mg/kg	0.0220	0.0232	88.0	79.7-122	4.94	20	WG691655	
Toluene	mg/kg	0.0226	0.0250	90.0	79.7-118	9.97	20	WG691655	
Total Xylenes	mg/kg	0.0659	0.0688	88.0	78.8-121	4.31	20	WG691655	
4-Bromofluorobenzene				94.70	71-126			WG691655	
Dibromofluoromethane				104.0	78.3-121			WG691655	
Toluene-d8				101.0	88.5-111			WG691655	
a,a,a-Trifluorotoluene				107.0	85-114			WG691655	
Benzene	mg/kg	0.0266	0.0234	106.	77.1-121	12.6	20	WG692261	
Ethylbenzene	mg/kg	0.0246	0.0222	98.0	79.7-122	9.95	20	WG692261	
Toluene	mg/kg	0.0250	0.0222	100.	79.7-118	11.7	20	WG692261	
Total Xylenes	mg/kg	0.0742	0.0673	99.0	78.8-121	9.78	20	WG692261	
4-Bromofluorobenzene				96.50	71-126			WG692261	
Dibromofluoromethane				106.0	78.3-121			WG692261	
Toluene-d8				103.0	88.5-111			WG692261	
a,a,a-Trifluorotoluene				100.0	85-114			WG692261	
Analyte	Units	MS Res	Matrix Spike		TV	% Rec	Limit	Ref Samp	Batch
			Ref Res						
Benzene	mg/kg	0.119	0.0	.025	95.0	54.3-133	L667835-08	WG691656	
Ethylbenzene	mg/kg	0.104	0.0	.025	84.0	61.4-133	L667835-08	WG691656	
Toluene	mg/kg	0.109	0.000461	.025	86.0	61.4-130	L667835-08	WG691656	
Total Xylenes	mg/kg	0.304	0.000410	.075	81.0	63.3-131	L667835-08	WG691656	
4-Bromofluorobenzene					102.0	71-126		WG691656	
Dibromofluoromethane					111.0	78.3-121		WG691656	
Toluene-d8					106.0	88.5-111		WG691656	
a,a,a-Trifluorotoluene					101.0	85-114		WG691656	
Benzene	mg/kg	0.133	0.0	.025	110.	54.3-133	L667879-02	WG691655	
Ethylbenzene	mg/kg	0.113	0.0	.025	90.0	61.4-133	L667879-02	WG691655	
Toluene	mg/kg	0.122	0.0	.025	97.0	61.4-130	L667879-02	WG691655	
Total Xylenes	mg/kg	0.334	0.0	.075	89.0	63.3-131	L667879-02	WG691655	
4-Bromofluorobenzene					96.00	71-126		WG691655	
Dibromofluoromethane					104.0	78.3-121		WG691655	
Toluene-d8					102.0	88.5-111		WG691655	
a,a,a-Trifluorotoluene					107.0	85-114		WG691655	
Benzene	mg/kg	0.108	0.0	.025	87.0	54.3-133	L668251-01	WG692261	
Ethylbenzene	mg/kg	0.0894	0.0	.025	72.0	61.4-133	L668251-01	WG692261	

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Analyte	Units	MS Res	Matrix Spike		% Rec	Limit	Ref Samp	Batch
			Ref Res	TV				
Toluene	mg/kg	0.0968	0.0	.025	77.0	61.4-130	L668251-01	WG692261
Total Xylenes	mg/kg	0.261	0.0	.075	70.0	63.3-131	L668251-01	WG692261
4-Bromofluorobenzene					93.90	71-126		WG692261
Dibromofluoromethane					108.0	78.3-121		WG692261
Toluene-d8					102.0	88.5-111		WG692261
a,a,a-Trifluorotoluene					101.0	85-114		WG692261

Analyte	Units	MSD	Matrix Spike		%Rec	Limit	RPD	Limit	Ref Samp	Batch
			Ref	Duplicate						
Benzene	mg/kg	0.109	0.119	87.6	54.3-133	8.34	20		L667835-08	WG691656
Ethylbenzene	mg/kg	0.0932	0.104	74.6	61.4-133	11.3	20		L667835-08	WG691656
Toluene	mg/kg	0.101	0.109	80.2	61.4-130	7.57	20		L667835-08	WG691656
Total Xylenes	mg/kg	0.275	0.304	73.3	63.3-131	9.81	20		L667835-08	WG691656
4-Bromofluorobenzene				101.0	71-126					WG691656
Dibromofluoromethane				111.0	78.3-121					WG691656
Toluene-d8				106.0	88.5-111					WG691656
a,a,a-Trifluorotoluene				102.0	85-114					WG691656

Benzene	mg/kg	0.143	0.133	114.	54.3-133	7.14	20		L667879-02	WG691655
Ethylbenzene	mg/kg	0.117	0.113	93.9	61.4-133	4.23	20		L667879-02	WG691655
Toluene	mg/kg	0.129	0.122	103.	61.4-130	5.58	20		L667879-02	WG691655
Total Xylenes	mg/kg	0.351	0.334	93.5	63.3-131	4.87	20		L667879-02	WG691655
4-Bromofluorobenzene				95.10	71-126					WG691655
Dibromofluoromethane				106.0	78.3-121					WG691655
Toluene-d8				102.0	88.5-111					WG691655
a,a,a-Trifluorotoluene				107.0	85-114					WG691655

Benzene	mg/kg	0.106	0.108	85.0	54.3-133	1.78	20		L668251-01	WG692261
Ethylbenzene	mg/kg	0.0851	0.0894	68.1	61.4-133	4.90	20		L668251-01	WG692261
Toluene	mg/kg	0.0915	0.0968	73.2	61.4-130	5.64	20		L668251-01	WG692261
Total Xylenes	mg/kg	0.248	0.261	66.2	63.3-131	4.99	20		L668251-01	WG692261
4-Bromofluorobenzene				97.40	71-126					WG692261
Dibromofluoromethane				110.0	78.3-121					WG692261
Toluene-d8				102.0	88.5-111					WG692261
a,a,a-Trifluorotoluene				99.30	85-114					WG692261

Batch number /Run number / Sample number cross reference

WG691656: R2853400: L667899-05 06 07 08

WG691655: R2853742: L667899-01 02 03

WG692261: R2854301: L667899-04 09

* * Calculations are performed prior to rounding of reported values.

* Performance of this Analyte is outside of established criteria.

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The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Plains All American Pipeline - Entech						Billing Information:					
21 Waterway Ave., Suite 300 The Woodlands, TX 77380						Accounts Payable 333 Clay St., Ste 1600 Houston, TX 77002					
Report to: Kathleen Buxton						Email To: kathleen.buxton@entechservice.com					
Project Description: Vac to Jal#3						City/State Collected: Eunice NM					
Phone: 979-997-2338			Client Project # PAA12013			Lab Project # PLAINSENT-VAC3					
Fax:			Site/Facility ID # SRS - 2003-00117			P.O. #					
Collected by (print): SHANE DILLER			Date Results Needed								
Collected by (signature): [Signature]			Rush? (Lab MUST Be Notified)			Email? No X Yes			No. of Cntrs		
Immediately			Same Day200%			FAX? No Yes					
Packed on Ice N Y X			Next Day100%								
			Two Day50%								
			Three Day25%								
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time					
mw2		G	GW		12-11-13	1530	2	X			
mw4			GW			1535	2	X			
mw5			GW			1555	2	X			
mw6			GW			1540	2	X			
mw7			GW			1600	2	X			
mw8		↓	GW			1545	2	X			
mw9		G	GW		12-11-13	1550	2	X			
			GW				2	X			
			GW				2	X			
* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other _____											
Remarks:											
pH _____ Temp _____ Flow _____ Other _____											
Relinquished by : (Signature) [Signature]				Date: 12-13-13 Time: 1700		Received by: (Signature) [Signature]				Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐	
Relinquished by : (Signature) [Signature]				Date: _____ Time: _____		Received by: (Signature) [Signature]				Temp: °C Bottles Received: 14	
Relinquished by : (Signature) [Signature]				Date: _____ Time: _____		Received for lab by: (Signature) [Signature]				Date: 12/14/13 Time: 1200	
Hold # _____ Condition: (lab use only) G M COC Seal Intact: Y N NA pH Checked: _____ NCF: _____											

APPENDIX B

Soil Boring Logs

Project: Vac to Jal #3

Location: Euince, NM

Station ID: IW-1

Date Drilled: 11/6/13

Geologist: Kathleen Buxton

Drilling Company: Straub Drilling

Drilling Method: Air Rotary

Boring/Well Diameter: 4"

Boring/Well Total Depth: 58'

Screen Length: 22.5'



	DEPTH (feet bgs)	PID (ppm)	GRAPHIC LOG	LITHOLOGIC DESCRIPTION/COMMENTS
	0.0			Backfill
	2.0			
	4.0			
	6.0			
	8.0			
	10.0			Tan red Silty Sand
	12.0			
	14.0			Tan Silty Sand
	16.0	407		Tan Silty Sand & Caliche
	18.0			Medium to Hard Caliche layers
	20.0	1806		
	22.0			
	24.0			Hard Sandstone layers
	26.0	836		Medium to hard Sandstone & Caliche
	28.0			Tan Sand and Sandstone layers
	30.0	1793		
	32.0			
	34.0			
	36.0	2020		Tan/Pink Silty Sand & Sandstone
	38.0			
	40.0	985		Tan/Pink Silty Sand & Clay
	42.0			
	44.0			Pink Silty Clay & Sand
	46.0	1148		
	48.0			Pink Sandstone & Silty Sand
	50.0	892		Pink Silty Clay & Sand

Project: Vac to Jal #3
 Location: Euince, NM
 Station ID: IW-1
 Date Drilled: 11/6/13
 Geologist: Kathleen Buxton

Drilling Company: Straub Drilling
 Drilling Method: Air Rotary
 Boring/Well Diameter: 4"
 Boring/Well Total Depth: 58'
 Screen Length: 22.5'



	DEPTH (feet bgs)	PID (ppm)	GRAPHIC LOG	LITHOLOGIC DESCRIPTION/COMMENTS
	50.0			
	52.0			
	54.0			
	56.0			
	58.0			
	60.0			
	62.0			
	64.0			
	66.0			
	68.0			
	70.0			
	72.0			
	74.0			
	76.0			
	78.0			
	80.0			
	82.0			
	84.0			
	86.0			
	88.0			
	90.0			
	92.0			
	94.0			
	96.0			
	98.0			
	100			

Project: Vac to Jal #3

Location: Euince, NM

Station ID: IW-2

Date Drilled: 11/7/13

Geologist: Kathleen Buxton

Drilling Company: Straub Drilling

Drilling Method: Air Rotary

Boring/Well Diameter: 4"

Boring/Well Total Depth: 65'/60'

Screen Length: 22.5'



	DEPTH (feet bgs)	PID (ppm)	GRAPHIC LOG	LITHOLOGIC DESCRIPTION/COMMENTS
	0.0			Backfill
	2.0			
	4.0			
	6.0			
	8.0			
	10.0			
	12.0			
	14.0			
	16.0			Tan very fine Sand
	18.0			Tan very fine Sand, cement Sandstone, Caliche
	20.0	4.6		
	22.0			Tan very fine Sand, cement Sandstone
	24.0			
	26.0	8.1		
	28.0			Caliche, tan fine Sand, Sandstone
	30.0	7.5		Tan Sandstone cemented, tan fine Sand
	32.0			
	34.0	7.5		
	36.0			
	38.0			
	40.0	6.7		
	42.0			Pinkish brown fine Sand, Sandstone
	44.0	5.3		Brownish red Sandy Clay
	46.0			
	48.0			
	50.0			

Project: Vac to Jal #3
 Location: Euince, NM
 Station ID: IW-2
 Date Drilled: 11/7/13
 Geologist: Kathleen Buxton

Drilling Company: Straub Drilling
 Drilling Method: Air Rotary
 Boring/Well Diameter: 4"
 Boring/Well Total Depth: 65'/60'
 Screen Length: 22.5'



	DEPTH (feet bgs)	PID (ppm)	GRAPHIC LOG	LITHOLOGIC DESCRIPTION/COMMENTS
	50.0			Brownish red Sandy Clay
	52.0			
	54.0			
	56.0			Tan Silty Sand
	58.0			Tan Sand, Sandstone
	60.0			
	62.0			
	64.0			
	66.0			
	68.0			
	70.0			
	72.0			
	74.0			
	76.0			
	78.0			
	80.0			
	82.0			
	84.0			
	86.0			
	88.0			
	90.0			
	92.0			
	94.0			
	96.0			
	98.0			
	100			

Project: Vac to Jal #3

Location: Euince, NM

Station ID: IW-3

Date Drilled: 11/7/13

Geologist: Kathleen Buxton

Drilling Company: Straub Drilling

Drilling Method: Air Rotary

Boring/Well Diameter: 4"

Boring/Well Total Depth: 60'

Screen Length: 22.5'



	DEPTH (feet bgs)	PID (ppm)	GRAPHIC LOG	LITHOLOGIC DESCRIPTION/COMMENTS
	0.0			Backfill
	2.0			
	4.0			
	6.0			
	8.0			
	10.0			Hard Caliche
	12.0			Caliche & tan Silty Sand
	14.0	3.7		
	16.0			
	18.0			Medium hard Caliche layers
	20.0	5.1		
	22.0			
	24.0	5.4		
	26.0			
	28.0			
	30.0	5.4		
	32.0			
	34.0	6.3		Tan/Pink Silty Clay & Sandstone
	36.0			
	38.0			
	40.0	9.0		
	42.0			Pink Silty Clay & Sand
	44.0			
	46.0	487		Hard Sandstone
	48.0			Tan Sandstone & Silty Sand
	50.0	1483		

Project: Vac to Jal #3
 Location: Euince, NM
 Station ID: IW-3
 Date Drilled: 11/7/13
 Geologist: Kathleen Buxton

Drilling Company: Straub Drilling
 Drilling Method: Air Rotary
 Boring/Well Diameter: 4"
 Boring/Well Total Depth: 60'
 Screen Length: 22.5'



	DEPTH (feet bgs)	PID (ppm)	GRAPHIC LOG	LITHOLOGIC DESCRIPTION/COMMENTS
	50.0	103		Tan Sandstone & Silty Sand
	52.0			
	54.0			Tan Silty Clay & Sand
	56.0			
	58.0			Tan brown Sand
	60.0			
	62.0			
	64.0			
	66.0			
	68.0			
	70.0			
	72.0			
	74.0			
	76.0			
	78.0			
	80.0			
	82.0			
	84.0			
	86.0			
	88.0			
	90.0			
	92.0			
	94.0			
	96.0			
	98.0			
	100			

Project: Vac to Jal #3

Location: Euince, NM

Station ID: MW-9

Date Drilled: 11/6/13

Geologist: Kathleen Buxton

Drilling Company: Straub Drilling

Drilling Method: Air Rotary

Boring/Well Diameter: 2"

Boring/Well Total Depth: 60'

Screen Length: 25'



	DEPTH (feet bgs)	PID (ppm)	GRAPHIC LOG	LITHOLOGIC DESCRIPTION/COMMENTS
	0.0			Tan fine Sand, Sandstone, Caliche
	2.0			
	4.0	11.2		Tan fine Sand, cement Sandstone
	6.0			
	8.0			
	10.0	6.3		
	12.0			
	14.0	8.0		
	16.0			Tan fine Sand, Caliche, Sandstone
	18.0			
	20.0	6.8		
	22.0			
	24.0	7.2		
	26.0			
	28.0			
	30.0	6.9		Tan fine Sand, Calcified Sandstone, Caliche
	32.0			
	34.0	9.4		
	36.0			Tan very fine Sand, cement Sandstone
	38.0			Red Sandy Clay
	40.0	8.6		
	42.0			Red Silty Clay, Silty Sand
	44.0	7.3		
	46.0			
	48.0			
	50.0			Tan Silty Sand, Silty Clay

Project: Vac to Jal #3
 Location: Euince, NM
 Station ID: MW-9
 Date Drilled: 11/6/13
 Geologist: Kathleen Buxton

Drilling Company: Straub Drilling
 Drilling Method: Air Rotary
 Boring/Well Diameter: 2"
 Boring/Well Total Depth: 60'
 Screen Length: 25'



	DEPTH (feet bgs)	PID (ppm)	GRAPHIC LOG	LITHOLOGIC DESCRIPTION/COMMENTS
	50.0			Tan Silty Sand, Silty Clay
	52.0			
	54.0			
	56.0			
	58.0			
	60.0			
	62.0			
	64.0			
	66.0			
	68.0			
	70.0			
	72.0			
	74.0			
	76.0			
	78.0			
	80.0			
	82.0			
	84.0			
	86.0			
	88.0			
	90.0			
	92.0			
	94.0			
	96.0			
	98.0			
	100			